

JAPAN INTERNATIONAL COOPERATION AGENCY

THE GOVERNMENT OF
THE HASHEMITE KINGDOM OF JORDAN
THE MINISTRY OF TOURISM AND ANTIQUITIES
THE MINISTRY OF PLANNING

DRAFT
TENDER DOCUMENTS
FOR
CONSTRUCTION
OF
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

PRICED BILL OF QUANTITIES

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BILL OF QUANTITIES

Table of Contents

Part : 1

a. Preamble to Bill of Quantities

b. Preliminaries for the Work

c. Construction Cost

General Summary

Bill No. 1 Building Works

Bill No. 2 Exhibition Works

Bill No. 3 External Works

Bill No. 4 Mechanical Works

Bill No. 5 Electrical Works

Part : 2

d. Daywork Rate

VOLUME III

PART: 1

PREAMBLE

PRELIMINARIES

BILL OF QUANTITIES

PREAMBLE

DIVISION 2: SITE WORK

Preamble

This section shall be read in conjunction with Division 2 of the Technical Specifications.

A. Measurement

The quantities of excavation and filling are measured net from the new and existing levels and/or contours shown on the drawings on the basis that the gradient of the existing surfaces between the nearest adjacent spot levels and/or between contours is constant.

Measured items include any additional excavation or filling required due to variation of the existing surface differing from a constant gradient between spot levels and/or between contours.

Measured items for excavation include for hand or machine work or any combination of the two as may be found expedient, for carrying out excavations in stages where required, for segregation of excavated materials as required and for grubbing up roots and root matter.

Measured items for excavation include for getting out excavated material, and earthwork support.

Measured items for excavation shall include for removing surplus excavated materials to temporary spoil heaps and for creating spoil heaps and moving as required during the progress of the works.

The quantities given for excavation and subsequent disposal are the bulk before excavating and no allowance is made for any subsequent variations in bulk or for any extra space required for working space or to accommodate earthwork support.

All types of excavation has been measured as one item irrespective of the depth. Excavation for foundations shall include for all types of excavation that is not excavation to reduce levels. It shall include but not be limited to excavation for trenches, ground beams, bases.

Foundation trenches are measured to the width of the concrete blinding.

Bases, ground beams, and the like are measure to the size of the concrete base.

Backfilling shall be measured net no allowance for compaction factor..

B. Rates

Rates for excavation shall include for:

1. Excavation to any depth.
2. Earthwork support to uphold the sides of excavation by any means necessary.
3. Excavation in any ground including rock to any depth. Rock shall be removed with drilling equipment, compressors, rippers or explosives where approved.
4. Trimming, leveling, ramming bottoms of excavation.
5. Double and multiple handling.
6. Stockpiling.
7. Keeping excavations free from storm water, percolating water and sub-soil water by pumping or any other means.
8. Finishing and grading to any falls, crossfalls, or slopes that may be required.
9. Removing surplus excavated material from site, comprising loading and transporting, double and multiple handling, temporary spoil heaps and provision of an approved tip and payment of all charges in connection therewith.
10. Benchmarks.
11. Selected excavated material filling including:
 1. Sorting excavated material.
 2. Importation of additional material if sufficient is available on site and subsequent additional disposal.
 3. Depositing and compacting in layers.
12. Imported granular filling including:
 1. Sorting material.
 2. Depositing and compacting in layers.

Rates for Demolition work shall include for:

1. Removing of all surplus material from site.
2. Disposal of all rubbish and debris.
3. Delivery of materials that can be benefit and shall be stored in the Employer stores.
4. Using the best techniques and equipment's for the demolition purposes.
5. Cleaning the site continuously.
6. The contractor shall visit the site to obtain idea about demolitioning.
7. The contractor must coordinate with the Employer and Engineers representative before starting in demolition work.

DIVIDION3: CONCRETE

Preamble

This section shall be read in conjunction with Division 3 of the Technical Specifications.

A. Measurement

Concrete is measured net as placed and no deduction is made for voids not exceeding 0.05 m³ in cubic areas, or for the volume of any steel, conduits and pipes embedded in the concrete.

Concrete

- Blinding beds are measured in cubic meters.
- Concrete floors are measured in cubic meters.
- Concrete walls, upstands and columns are measured in cubic meters in over and below the existing levels and from top of slab to under side of beams or slabs above.
- Suspended solids slabs, ribbed slabs, waffle slabs, and beams are measured net in cubic meters and measurement have been taken over all bearings.
- Moulds for waffle slabs and hollow block ribs for ribbed slabs to be deducted from the volume of concrete slabs and it will be measured separately.
- An extra over to be paid for using moulds waffle slabs and fair face formwork.
- Concrete Deck slabs are measured in square meter stating the thickness and including galvanized corrugated steel sheeting.

Reinforcement

The weight of reinforcement bar is measured net without addition for rolling margin supports, spaces or tying wire.

Formwork

Formwork is measured net as fabricated and there is an Extra over (allowance) for special formwork for vaults, doms, arches, openings, drop beams, circular columns and where required.

B. Rates

Rates for concrete work shall include for:

1. Designing mixes.
2. Construction and control joints.
3. Laying in bays including temporary supports.
4. Vibrating and packing around reinforcement and between formwork.
5. Curing and sprinkling.

6. Work of any cross-sectional area and at any height.
7. Cutting or forming grooves, throats, holes, chases, rebates, chamfers, splayed angles, mouldings and the like.
8. Cutting or forming mortices and grouting in.
9. Making good holes left by other trades.
10. Grading, tamping and troweling surfaces of unset concrete.
11. Hacking or otherwise treating surfaces of concrete to receive finish.
12. Support reinforcement bars not indicated on drawings and as required.
13. Sulphate resisting cement for all concrete works under finished floor level.

Rates for reinforcement bar shall include for:

1. Rolling margin.
2. Bending and typing wire.
3. Distance pieces and spacers and chairs.
4. Rods and bars in any location and at any height.
5. Cutting and waste.
6. Laps above required by standards and Drawings.
7. Hooks.

Rates for precast concrete shall include for:

1. Designing mixes.
2. Lifting steel.
3. Moulds and surface finishes.
4. Steel reinforcement, dowels and anchors.
5. Concrete or mortar mix at in situ joints.
6. Transporting, hoisting, bedding and pointing in cement mortar.
7. Temporary supports.
8. Fair ends, stooled ends, returned ends, rounded ends, mitred angles, rebated angles, intersections and the like.

Rate for formwork shall included for:

1. Formwork.
2. All necessary supports and shoring
3. Formwork cutting and waste.
4. Splaying edges of formwork.
5. Formwork fillets, notches or the like.
6. Allowance for formwork overlaps and passings at angles.
7. Metal inserts for formwork anchorages.
8. Strutting, propping, bolting, metal ties wedging, casing and striking of formwork.

DIVISION4: MASONARY

4.1 STONE WORK

Preamble

This section shall be read in conjunction with Division 4 of the Technical Specifications.

Stone Work

- Stone works must be of the best quarries first choice and as described in the relevant Specifications, Drawings and Bills of Quantities.
- Stone cladding to concrete walls or concrete block walls shall also be deemed to mean concrete beams, lintels, columns, edges of slabs or the like.
- Concrete walls, beams, columns, lintels, slabs and concrete block wall have all been measured net elsewhere unless described in the description.
- For special stone works it shall be measured in square meter without any extra over (allowance) for special stone of arches, columns, jambs, lintels, angles sills and other special stone works, except the items mentioned in B.O.Q.
- For stone copings it shall be measured in linear metre to the length of parapets.
- For stone sills and thresholds it shall be measured in square metre.

Rates

Rates for stone cladding shall include for:

1. All hoisting, cutting, dressing, bending and mortar backing.
2. Forming courses.
3. Narrow widths.
4. Cutting to form angles, copings, sills, big stones in different shapes or the like from solid blocks.
5. Cutting or raking out joints prior to pointing.
6. Construction and control joints.
7. Stainless steel suspension system as shown in Drawings.
8. Pointing to exposed ends.
9. Temporary supports.
10. Cutting or forming holes or chases for pipes, tubes, bars, cables, conduits, ductwork and the like and mortices, sinkings, holes and the like, including grouting.
11. Providing expanded metal lathing to ends at openings or the like, or where in situ finishings are applied.
12. Engravings.

4.2 BLOCKWORK AND SAND LIME BRICK

Preamble

This section shall be read in conjunction with Division 4 of the Technical Specifications.

A. Measurement

All blockwork is measured net with no deductions made for voids not exceeding 0.10 m² in the face of the walls.

Cavity walls have been measured as composite walls, with insulation cavity infill material measured separately.

B. Rates for Block Walls shall include for:

1. Filling ends of hollow blocks or providing special solid closer blocks, jamb units and the like.
2. Constructing cavities, including ties.
3. Control joints.
4. Cutting or forming chases, grooves, angles and rough and fair cutting and the like.
5. Raking out joints and/or hacking face of walls as required for key.
6. Raking out joints for flashings, caulking and the like.
7. Bedding and/or pointing plates, frame surrounds, sills and the like.
8. Temporary supports around windows, door frames and the like.
9. Building in or cutting and pinning ends of lintels, woodwork, steel sections and the like.
10. Cutting or forming holes for pipes, tubes, bars, cables, conduit, ductwork and the like and mortices, sinkings, weep holes and the like, including grouting.
11. Making good all walls and making good fair face.
12. Tying to the bearing structure, a butting concrete walls and columns.
13. Building at any level or height off slabs or beams.
14. R.C. Concrete lintels and concrete stiffeners.
15. Steel reinforcement bars for lintels and stiffeners.
16. General instructions according to the manufacturer, for sand lime brick construction.
17. White cement mortar.

DIVISION5: METALS

Preamble

This section shall be read in conjunction with division 5 and division 8 of the Technical Specifications.

A. Measurement

All metal and aluminum items are measured net as fixed all sizes given are structural sizes.

B. Rates

Rates for metalwork and aluminum shall generally include for:

1. Cutting members to length.
2. All scribing, rebates, grooves, chamfers, splayed and rounded edges, tongued angles, beads, mouldings, fair and returned ends, miters, housing, holes for pipes, etc. and for all short or isolated lengths.
3. For all shop and site welding.
4. Grinding, drilling, countersinking, bolting, rivetting.
5. Assembling, adjusting and fixing complete.
6. All hardware and stainless steel ironmongery.

Rates for doors, windows and door frames shall include for:

1. Members of any section as required.
2. Welding, brazing or the like at corners, intersections or the like.
3. Opening lights.
4. Cutouts for ironmongery.
5. Flyscreens.
6. Work at jambs, or heads including expanded metal lathing, fixing cramps, wall anchors, grounds, bedding, filling frames with grout, galvanized mild steel plaster guards, motor boxes, stops, beads and caulking sealant, as necessary.
7. Reinforcement for hinges, hardware, etc.
8. Additional studs in metal partitioning.
9. Spacing blocks in metal partitioning.
10. Glazing beads.
11. Glazing strips, gaskets or other material as detailed.
12. Glazing system as described in the Bill of Quantities.
13. Master key system as specified.
14. The contractor shall be responsible for the accurate dimensions, and physical measurement shall be taken on site as executed.

DIVISION6: WOOD AND PLASTICS

Preamble

This section shall be read in conjunction with Division 6 and Division 8 of the Technical Specifications.

A. Measurement

All woodwork items are measured net as fixed.
All sizes given are structural sizes.

B. Rates

Rates for timber shall include for:

1. Wrote faces on all timber, unless otherwise stated.
2. Nails, screws or other fixings.
3. Any length or cross-section.
4. All cutting and waste.
5. Tongued angles, dovetailed framing, halved to scarf jointing and all other types of joints.
6. Raking, curved or circular work and labours.
7. Notching, morticing, boring, sinkings, trimmings, rounded edges, scribing and all other sundry items of like nature required.
8. Plugging to concrete, or unit masonry including all making good.
9. Preparing surfaces to receive finishes.
10. Sawn grounds, sub-frames, blockings and backings.
11. Glazing beads to glazed doors and panels including fixing with caps and screws are required.
12. Easing and adjusting doors.
13. Hardware, and stainless steel ironmongery and furniture as stated for each in door schedules.
14. Three keys to each lock.
15. Sub-frames.
16. Painting and decoration.

Rates for counters shall include for:

1. All labour, material and shop drawings, all in compliance with relevant Detailed Drawings and Specifications.
2. Hardware, ironmongery, glazing work, beads, laminates, lacquer finishes, fixation to floors, walls and ceilings.
3. Shelves whether removable or fixed.
4. Provision for electrical conduits and the like, sanitary (if applicable).

DIVISION7: THERMAL AND MOISTURE PROTECTION

7.1 WATER PROOFING WORK

Preamble

This section shall be read in conjunction with division 7 of the Technical Specifications.

A. Measurement

Waterproofing work items are measured net as applied and no deduction has been made for voids not exceeding 0.50 m².

Roof coverings are measured as a separate items.

B. Rates

Rates for waterproofing shall include for:

1. Cleaning down and preparing surface.
2. Any width or area.
3. Laying to slopes, falls or crossfalls.
4. Fair and rounded edges, drips, arrises and angle fillets.
5. Cutting to line, overlapping.
6. Skirtings shall include for all additional material required, turning into grooves and pointing, flashings and reglets where required.
7. Working into outlets, channels, gullies and the like.
8. Cutting, trimming, making holes and forming openings, eaves, verges, etc., including working around pipes and openings and making good.

Rates for screed topping shall include for:

1. Cleaning down and preparing surfaces.
2. Any width or area.
3. Finishing top surfaces to slopes, falls or crossfalls.
4. Working around outlets, gullies, pipes and the like.
5. Forming upstands including coved angle with base.
6. Trowel smooth surface finish.
7. Protective screed of thickness specified in the Specifications.

7.2 INSULATION AND EXPANSION JOINTS

Preamble

This section shall be read in conjunction with division 7 of the Technical Specifications.

A. Measurement

All insulation work items are measured net as fixed, no deduction has been made for voids not exceeding 0.50 m².

All expansion joints items are measured net as fixed.

B. Rates

Rates for insulation shall include for:

1. Mechanical fasteners.
2. Holes and clips, etc. for through fixing of metal lathing.
3. Metal cladding or wire mesh wrapping where required.

Rates for flashings, cappings, expansion joint covers and the like shall include for:

1. Laps, angles, returned ends and the like.
2. Soldered or welded joints and the like.
3. Additional material at all dressing and labor.
4. Cleats, reglets and fixings.
5. Pointing or chaulking.

DIVISION8: DOORS AND WINDOWS

GLAZING WORK

Preamble

This section shall be read in conjunction with division 8 of the Technical Specifications..

A. Measurement

All glazing work is measured net as fixed.

All glazing is included with the relevant items into which it is to be incorporated, i.e. doors, screens, and windows unless otherwise described and shall also include for:

1. Any pattern, size and area.
2. Circular cutting and square cutting with rounded edges.
3. Spacers.
4. Glazing to wood or metal.
5. Bedding edges and labours to edges, including rounding edges of all panels to prevent damage to gaskets.
6. Stainless steel or brass ironmongery and accessories.

B. Rates

Rates for glazing shall include for:

1. Glass
2. Glazing beads.
3. Glazing strips, gaskets or other material as detailed.
4. Glazing system as described in the Bill of Quantities.

DIVISION9: FINISHES

9.1 PLASTERING WORK

Preamble

This section shall be read in conjunction with division 9 of the Technical Specifications.

A. Measurement

No deduction has been made for voids no exceeding 0.50 m².

All in situ wall finishing are measured to finish floor.

B. Rates

Rates for plastering shall include for:

1. Application to and preparation of any surfaces including guide screeds.
2. Wire mesh at junctions between differing material, and at construction joints.
3. Any width or area, any location.
4. Finish to surfaces, to falls, crossfalls and slopes including making good after all trades.
5. Working into channels, around gullies, outlets and the like.
6. Fair joints, fair edges, rounded edges, chamfered edges, sharp arrises, rounded angles, coved angles and the like.
7. Plaster corner beads at external angles and casing beads.
8. Admixtures.
9. Control joints.
10. Waterproof additives.
11. Curing

9.2 TILING AND MARBLE WORK

Preamble

This section shall be read in conjunction with division 9 of the Technical Specifications.

A. Measurement

- Measurement shall be net, no deduction has been made for voids not exceeding 0.50 m².
- Measurement shall be net, with all openings exceeding 0.25 m² deducted.

B. Rates

Rates for in situ finishings shall include for:

1. Supply of all materials and labour and shop drawings.
2. Application to and preparation of any surface.
3. Any width, pattern or area, any location.
4. All cuttings and waste and fitting around pipes, feet of door frames and sundry labour of a like nature.
5. Laying level or to falls.
6. All pointing and protecting from damage until the final completion of the work.
7. Grinding and polishing.
8. Sand bed and cement mortar to form a total finishing thickness as shown on drawings.
9. The provision of "Quality Control" whole room samples as mentioned in the Specification.
10. Chamfering, rebating, jointing, coving if applicable and as specified and shown on drawings.
11. Provision for any shape and pattern of marble works.
12. Cutting and filling into any opening or recessed area.
13. For glazed coloured ceramic tiles, rates shall include for laying tiles on cement mortar and rough plastered wall, backing, and the same rates shall be applicable for the alternative of use adhesives on plastered walls.
14. Marble wall cladding rate shall include, polishing, chamfering, rebates as detailed and galvanized steel suspension system.
15. Grouting and cleaning on site.
16. Mixed design for external paving materials as indicated in specification.
17. Water proof additives for mortar of ceramic walls and floors.

Brass Strips

- Brass strips and angles 25 mm. x 5 mm. between different floors and edging floors, to length as required & as shown on Drawings shall be measured separately.

9.3 PAINTING WORKS

Preamble

This section shall be read in conjunction with division 9 of the Technical Specifications.

A. Measurement

Decoration to items of woodwork and metalwork has been included with the respective items of wood and/or metal e.g. doors to which it relates.

Decoration to other areas has been measured net separately in square meters.

No deduction has been made for voids not exceeding 0.50 m².

B. Rates

Rates for decoration shall include for:

1. Preparation of paint and preparation of surfaces to be decorated.
2. Any type of work in any area or width in any location and any height.
3. Work in multi colours.
4. Cutting in edges and rubbing down between coats.
5. Sealing all knots and end grain to timber sections.
6. Making good after all trades.
7. All masking work for spray paint application by roller or machine.
8. Putty mortar floating coat under emulsion or oil paint.

Rates for suspended ceilings shall include for:

1. All fixings for support system.
2. Edge trims and angles including necessary timber grounds.
3. Corner angles to upstands.
4. Cutting and fitting around openings including grilles, registers and lighting fixtures.
5. Providing access points to space above.
6. Supplementary framing around fixtures.
7. Workshop Drawings.

PRELIMINARIES

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><u>PRELIMINARIES FOR THE WORK</u></p> <p><u>GENERAL PRINCIPLES</u></p> <p>A The descriptions of work and the like descriptive items given throughout the Bill of Quantities must not be construed as being complete but must be taken only as an indication of the extent of such work. The Contractor shall be deemed to have also read all other related documents, schedules, specifications, amendments and all available drawings and sketches such as to be fully aware of the full extent of the Works.</p> <p>B All clauses in this Preliminaries Bill apply to the whole of the Works contained in these Bill of Quantities and the Contractor's prices shall be deemed to apply to the whole of the Works executed under the Contract including all variations to the Contract.</p> <p>C The Contractor shall be deemed to have allowed in his Tender for all costs in respect of all items described in this Preliminaries Bill.</p> <p>D In the absence of a price against any clause in this Preliminaries Bill, any costs in connection therewith shall be deemed to have been included elsewhere in the Contract Price.</p> <p>E In the computation of the Final Contract Price, following completion of the Works, no adjustment to the pricing will be made for items in this Preliminaries Bill. Any price entered in this Preliminaries Bill shall be at the sole risk of the Contractor. No claim shall be considered for additional Preliminaries items due to variations even when an extension of time has been granted.</p> <p>F In the event that no amount is inserted for any given clause in this Preliminaries Bill, then nothing will be specifically included in any payment certificates in respect of such clause.</p> <p>The Contractor will be required to provide an itemized breakdown for items in this Preliminaries Bill in the event that a lump sum has been tendered against this section.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><u>GENERAL PRINCIPLES (cont'd)</u></p>				
A	<p>That proportion of any amount entered against an item in this Preliminaries Bill in respect of which substantial or whole payment might normally fall upon Contract commencement but which cannot be substantiated by the Contractor will be distributed evenly over the period within which the Works are to be completed.</p>				
B	<p>The price entered against items in this Preliminaries Bill involving continuous expenditure or time-related cost (egg plant, supervision, etc) will be certified for payment over the period within which the Works are to be completed in direct proportion to the value of the Contractor's measured work certified (ie, the value of work executed less Preliminaries, Prime Cost and Provisional Sums)</p>				
C	<p>Documents forming the Contract are to be taken as mutually explanatory; the amounts entered against the Preliminaries items and the measured work sections of the Bills of Quantities shall be deemed to fully allow for complying with all the requirements of the Conditions of Contract, Drawings, Specifications, and Bills of Quantities.</p>				
	<p><u>Pricing generally</u></p>				
D	<p>The rates and prices in the Bill of Quantities shall be deemed to include, but not be limited to the cost of all labour (including future wage increases other than Government mandated wage increases), materials, goods and equipment all cutting and waste, duties, royalties, packing, freight, shipping insurances, warehousing or other storage cost, delivery to the Site, hoisting and fixing in the required position, plant, supervision, currency exchange rate fluctuations and all else necessary for the carrying out of all the Contract requirements including the timely and satisfactory completion of the entire Works contained, both expressly and implicitly, within the Contract.</p>				
E	<p>The Contract shall be deemed to include for all Government taxes and import duties, fees, License</p>				
<p>Total to Collection Page</p>					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>GENERAL PRINCIPLES (cont'd)</u>				
A	For the avoidance of doubt, no claim shall be considered which arises from increases in the wages and / or other emoluments and expenses of any kind payable to workmen (other than Government-mandated wage increases), or from the increased cost of such increases coming into effect after the acceptance of the Contractor's Tender.				
B	In addition to the foregoing the Contractor shall be deemed to have satisfied himself prior to submitting his Tender, as to the meaning and import of every item of work included in these Bill of Quantities, and the rates and prices inserted by him shall be deemed to cover the entire cost of all his obligations and liabilities under the Contract and all matters and things necessary for the proper construction, completion and maintenance of the Works including but not by way of limitation, all temporary work required (including any that may be required by Sub-Contractors, Nominated or otherwise); the provision and use of all mechanical and non-mechanical plant required for the expeditious carrying out of the Works in their proper sequence, shifting, altering and adapting such temporary work and plant as may be required during the progress of the Works, removing at completion and making good any work disturbed, all necessary guarantees and bonds, the cost of preparing the Tender, the work in connection with measurement, remeasurement and computation of the Final Contract Price, other establishment charges and on costs.				
C	The Tenderer must price each and every item and clause in the Bill of Quantities which he considers has a value. If any items or clauses are not priced, it shall be deemed that they have no value or, that their value has been spread throughout the rates and prices for other items and clauses. No claim for payment in respect of unpriced items or clauses will be admitted.				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>GENERAL PRINCIPLES (cont'd)</u>				
A	After having been awarded the Contract, the selected Contractor will be required to provide the Engineer with a full and detailed breakdown of the Contract Price. The Contract Price breakdown is to show the actual calculations of the Preliminaries pricing and the labour, plant and material cost of the Works, together with a build-up for each of the key measured rates in each trade, element or section, and showing all on-costs, overheads and profit and any other allowances used to arrive at the Contract Price.				
B	Any unauthorized alterations made to the text or to any quantity in these Bills of Quantities will be ignored and the original text or quantity shall prevail in all cases of unauthorized alteration.				
C	The descriptions included in the Bill of Quantities in respect of the workmanship and materials requirements are not necessary complete. Tenderers are referred to the Drawings, Specifications, Conditions of Contract and other documents and information for further details concerning the Works and for specific requirements in respect of any given item of work. No claim or variation will be admissible on account of the Contractor's misunderstanding in connection with the foregoing or for any error in his Tender or for his failure to acquaint himself or to have acquainted himself with such other documents and information as are referred to above.				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>CONDITIONS OF CONTRACT</u> <u>PART I & II</u>				
A	1.1 Definitions				
B	1.2 Headings and Marginal Notes				
C	1.3 Interpretation				
D	1.4 Singular and Plural				
E	1.5 Notices, Consents, Approvals, Certificates and Determinations				
F	2.1 Engineer's Duties and Authority				
G	2.2 Engineer's Representative				
H	2.3 Engineer's Authority to Delegate				
I	2.4 Appointment of Assistants				
J	2.5 Instructions in Writing				
K	2.6 Engineer to Act Impartially				
L	3.1 Assignment of Contract				
M	4.1 Subcontracting				
N	4.2 Assignment of Subcontractor's Obligations				
O	5.1 Languages and Law				
P	5.2 Priority of Contract Documents				
Q	6.1 Custody and Supply of Drawings and Documents				
R	6.2 One Copy of Drawings to be kept on Site				
S	6.3 Disruption of Progress				
T	6.4 Delays and Cost of Delay of Drawings				
U	6.5 Failure by Contractor to Submit Drawings				
V	7.1 Supplementary Drawings and Instructions				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>CONDITIONS OF CONTRACT</u> <u>PART I & II (CONT'D)</u>				
A	7.2 Permanent Works Designed by Contractor				
B	7.3 Responsibility Unaffected by Approval				
C	8.1 Contractor's General Responsibilities				
D	8.2 Site Operations and Methods of Construction				
E	9.1 Contract Agreement				
F	10.1 Performance Security				
G	10.2 Time Allotted for Submission				
H	10.3 Claims under Performance Security				
I	11.1 Inspection of Site				
J	12.1 Sufficiency of Tender				
K	12.2 Adverse Physical Obstructions or Conditions				
L	13.1 Work to be in Accordance with Contract				
M	14.1 Programme to be Submitted				
N	14.2 Revised Programme				
O	14.3 Cash Flow Estimate to be Submitted				
P	14.4 Contractor not Relieved of Duties or Responsibilities				
Q	15.1 Contractor's Superintendence				
R	16.1 Contractor's Employees				
S	16.2 Engineer at Liberty to Object				
T	17.1 Setting-Out				
U	18.1 Boreholes and Exploratory Excavation				
V	19.1 Safety, Security and Protection of the Environment				
W	19.2 Employer's Responsibilities				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>CONDITIONS OF CONTRACT</u> <u>PART I & II (CONT'D)</u>				
A	20.1 Care of Works				
B	20.2 Responsibility to Rectify Loss or Damage				
C	20.3 Loss or Damage Due to Employer's Risks				
D	20.4 Employer's Risks				
E	21.1 Insurance of the Works and Contractor's Equipment				
F	21.2 Scope of Cover				
G	21.3 Responsibility for Amounts not Received				
H	21.4 Exclusions				
I	22.1 Damage to Persons and Property				
J	22.2 Exceptions				
K	22.3 Indemnity by Employer				
L	23.1 Third Party Insurance (including Employer's Property)				
M	23.2 Minimum Amount of Insurance				
N	23.3 Cross Liabilities				
O	24.1 Accident or Injury to Workmen				
P	24.2 Insurance Against Accident to Workmen				
Q	25.1 Evidence and Terms of Insurances				
R	25.2 Adequacy of Insurances				
S	25.3 Remedy on Contractor's Failure to Insure				
T	25.4 Compliance with Policy Conditions				
U	26.1 Compliance with Statutes, Regulations				
V	27.1 Fossils				
W	28.1 Patent Rights				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
<u>CONDITIONS OF CONTRACT</u>					
<u>PART I & II (CONT'D)</u>					
A	28.2 Royalties				
B	29.1 Interference with Traffic and Adjoining Properties				
C	30.1 Avoidance of Damage to Roads				
D	30.2 Transport of Contractor's Equipment or Temporary Works				
E	30.3 Transport of Materials or Plant				
F	30.4 Waterborne Traffic				
G	31.1 Opportunities for Other Contractors				
H	31.2 Facilities for Other Contractors				
I	32.1 Contractor to Keep Site Clear				
J	33.1 Clearance of Site on Completion				
K	34.1 Engagement of Staff and Labour				
L	34.2 Supply of Water				
M	34.3 Observance by Sub-Contractors				
N	35.1 Returns of Labour and Contractor's Equipment				
O	36.1 Quality of Materials, Plant and Workmanship				
P	36.2 Cost of Samples				
Q	36.3 Cost of Tests				
R	36.4 Cost of Tests not Provided for				
S	36.5 Engineer's Determination where Tests not Provided for				
T	37.1 Inspection of Operations				
U	37.2 Inspection and Testing				
V	37.3 Dates for Inspection and Testing				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>CONDITIONS OF CONTRACT</u> <u>PART I & II (CONT'D)</u>				
A	37.4 Rejection				
B	37.5 Independent Inspection				
C	38.1 Examination of Work before Covering up				
D	38.2 Uncovering and Making Openings				
E	39.1 Removal of Improper Work, Materials or Plant				
F	39.2 Default of Contractor in Compliance				
G	40.1 Suspension of Work				
H	40.2 Engineer's Determination following Suspension				
I	40.3 Suspension Lasting more than 84 Days				
J	41.1 Commencement of Works				
K	42.1 Possession of Site and Access Thereto				
L	42.2 Failure to Give Possession				
M	42.3 Wayleaves and Facilities				
N	43.1 Time for Completion				
O	44.1 Extension of Time for Completion				
P	44.2 Contractor to Provide Notification and Detailed Particulars				
Q	44.3 Interim Determination of Extension				
R	45.1 Restriction on Working Hours				
S	46.1 Rate of Progress				
T	47.1 Liquidated Damages for Delay				
U	47.2 Reduction of Liquidated Damages				
V	48.1 Taking-Over Certificate				
W	48.2 Taking-Over of Sections or Parts				
X	48.3 Substantial Completion of Parts				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>CONDITIONS OF CONTRACT</u> <u>PART I & II (CONT'D)</u>				
A	48.4 Surfaces Requiring Reinstatement				
B	49.1 Defects Liability Period				
C	49.2 Completion of Outstanding Work and Remedying Defects				
D	49.3 Cost of Remedying Defects				
E	49.4 Contractor's Failure to Carry Out Instructions				
F	50.1 Contractor to Search				
G	51.1 Variations				
H	51.2 Instructions for Variations				
I	52.1 Valuation of Variations				
J	52.2 Power of Engineer to Fix Rates				
K	52.3 Variations Exceeding 20 percent				
L	52.4 Daywork				
M	53.1 Notice of Claims				
N	53.2 Contemporary Records				
O	53.3 Substantiation of Claims				
P	53.4 Failure to Comply				
Q	53.5 Payment of Claims				
R	54.1 Contractor's Equipment, Temporary Works and Materials ; Exclusive Use for the Works				
S	54.2 Employer not Liable for Damage				
T	54.3 Customs Clearance				
U	54.4 Re-export of Contractor's Equipment				
V	54.5 Conditions of Hire of Contractor's Equipment				
W	54.6 Costs for the Purpose of Clause 63				
X	54.7 Incorporation of Clause in Subcontracts				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>CONDITIONS OF CONTRACT</u> <u>PART I & II (CONT'D)</u>				
A	54.8 Approval of Materials not Implied				
B	55.1 Quantities				
C	56.1 Works to be Measured				
D	57.1 Method of Measurement				
E	57.2 Breakdown of Lump Sum Items				
F	58.1 Definition of "Provisional Sum"				
G	58.2 Use of Provisional Sums				
H	58.3 Production of Vouchers				
I	59.1 Definition of "Nominated Subcontractors"				
J	59.2 Nominated Subcontractors; Objection to Nomination				
K	59.3 Design Requirements to be Expressly Stated				
L	59.4 Payments to Nominated Subcontractors				
M	59.5 Certification of Payments to Nominated Subcontractors				
N	60.1 Monthly Statements				
O	60.2 Monthly Payments				
P	60.3 Payment of Retention Money				
Q	60.4 Correction of Certificates				
R	60.5 Statement at Completion				
S	60.6 Final Statement				
T	60.7 Discharge				
U	60.8 Final Certificate				
V	60.9 Cessation of Employer's Liability				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
<u>CONDITIONS OF CONTRACT</u>					
<u>PART I & II (CONT'D)</u>					
A	60.10 Time for Payment				
B	60.11 Advances on Contractor's Equipment, Plant and Materials				
C	61.1 Approval only by Defects Liability Certificate				
D	62.1 Defects Liability Certificate				
E	62.2 Unfulfilled Obligations				
F	63.1 Default of Contractor				
G	63.2 Valuation at Date of Termination				
H	63.3 Payment after Termination				
I	63.4 Assignment of Benefit of Agreement				
J	64.1 Urgent Remedial Work				
K	65.1 No Liability for Special Risks				
L	65.2 Special Risks				
M	65.3 Damage to Works by Special Risks				
N	65.4 Projectile, Missile				
O	65.5 Increased Costs arising from Special Risks				
P	65.6 Outbreak of War				
Q	65.7 Removal of Contractor's Equipment on Termination				
R	65.8 Payment if Contract Terminated				
S	66.1 Payment in Event of Release from Performance				
T	67.1 Engineer's Decision				
U	67.2 Amicable Settlement				
V	67.3 Litigation or Arbitration				
W	67.4 Failure to Comply with Engineer's Decision				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>CONDITIONS OF CONTRACT</u> <u>PART I & II (CONT'D)</u>				
A	68.1 Notice to Contractor				
B	68.2 Notice to Employer and Engineer				
C	68.3 Change of Address				
D	69.1 Default of Employer				
E	69.2 Removal of Contractor's Equipment				
F	69.3 Payment on Termination				
G	69.4 Contractor's Entitlement to Suspend Work				
H	69.5 Resumption of Work				
I	70.1 Increase or Decrease of Cost				
J	70.2 Subsequent Legislation				
K	70.3 Official Changes in Price of Materials				
L	70.4 No Compensation ----				
M	71.1 Currency Restrictions				
N	72.1 Rates of Exchange				
O	72.2 Currency Proportions				
P	72.3 Currencies of Payment for Provisional Sums				
Q	73.1 Structural Warranty				
R	74.1 Use of Explosives				
S	75.1 Income Tax and Other Dues				
T	75.2 No Exemption from Dues				
U	76.1 Bribery				
V	77.1 Import and Customs Laws and Regulations				
W	78.1 Privacy of Information				
X	79.1 Exemptions and Temporary Entry				
Y	80.1 Termination for Convenience of the Employer				
Total to Preliminaries for the Work Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>SPECIFICATIONS</u>				
A	Division 1- General Requirements				
B	Division 2- Site Work				
C	Division 3- Concrete Work				
D	Division 4- Masonry				
E	Division 5- Metals				
F	Division 6- Wood and Plastic				
G	Division 7- Thermal and Moisture Protection				
H	Division 8- Door and Windows				
I	Division 9- Finishes				
J	Division 10- Specialties				
K	Division 11- Equipment				
L	Division 12- Furnishing				
M	Division 13- Special Construction				
N	Division 14- Lift				
O	Division 15- Mechanical				
P	Division 16- Electrical				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><u>SITE AND INSPECTION</u></p>				
	<p><u>Access and restrictions</u></p>				
A	<p>The Contractor shall be solely responsible for all matters regarding access to the Site including making his own arrangements for same; the Employer is unable to guarantee the availability of any particular access route to or any particular access point into the Site.</p>				
B	<p>The access ways are to be kept clear and free from obstructions and the Contractor shall be deemed to have allowed in his Tender for repairing at his own expense, on completion of the Works, any damage to the existing entrance, pavement, etc.</p>				
C	<p>Equipment and materials required for use on the Site may not be parked, stored or left in or over the streets adjacent to the Site.</p>				
D	<p>Where pollution could result from the carrying out of the Works, suitable damping or other effective measures are to be taken to prevent the spread of same beyond the Site boundaries.</p>				
E	<p>Access to the Site shall be limited as directed by the Engineer, the Employer or their authorized representatives. No other entry points will be allowed. Delivery schedules shall be submitted for approval to the Engineer prior to any delivery of materials, goods, and equipment being made. The Contractor shall also take care during the loading of debris / waste, etc or unloading of materials for the Works, to ensure that areas are not obstructed or traffic impeded, and he must comply with the instructions given in this respect by the Engineer, Employer, and their authorized representatives.</p>				
F	<p>The Contractor shall be responsible for making his own arrangements for access to the Site and he shall deemed to have allowed for any disruption, restriction on access to the areas and / or access point to the Site, temporary road closures, re-routings or diversions or any other matter which may arise in connection with access. No claims for additional expenses or extension of time will be entertained in connection with the foregoing. will be entertained in connection with the foregoing. The Tenderers particular attention is drawn to the fact that no queuing of the Contractor's traffic will be allowed and that all existing roads are common access roads and shall be shared with the general public.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
A	<p><u>Site visit</u></p> <p>Tenderers are advised to visit the Site of the Works and make themselves thoroughly acquainted with the location, general Site conditions, type of soil to be excavated, accessibility storage space, restrictions for loading and off-loading materials etc and any other conditions which may affect their Tender.</p>				
B	<p>Tenderers are advised to pay particular attention to the extent of the Works to be executed on the Site. No claim for extra payment or extension of time for completion of the Works will be allowed on the grounds of ignorance of the conditions under which the Works of ignorance of the conditions under which the Works are to be carried out nor that the Authorities have imposed certain conditions on the carrying out of the Works.</p>				
	<p><u>Sub-soil conditions and Site investigation reports</u></p>				
C	<p>Any Site investigation reports, bore log records or other information which may be available to the Contractor are given in good faith as a guide only but without assurance as to their accuracy or applicability and without prejudice to the Contractor's liability under the Contract.</p>				
D	<p>The Tenderer shall be deemed to have been aware of to have accepted all risks arising out of any unfavorable or difficult sub-soil conditions, presence of existing reinforced concrete foundations, services, ordinance or any other obstructions whether foreseeable or unforeseeable, and the Contractor shall not be entitled to any extension of time or extra payment as compensation in respect thereof.</p>				
	<p><u>Site levels</u></p>				
E	<p>The Contractor shall, if required by the Engineer, establish his own bench mark using a nearby Government Bench Mark to be approved by the Engineer, all at the Contractor's own expense.</p>				
	<p><u>Contractor's responsibility to check Site conditions</u></p>				
F	<p>The Contractor shall be deemed to have made himself thoroughly acquainted with the location and nature of the Site and its surroundings, the access to the Site, storage and working space and all aspects of the Site and the Works which might affect his working, and to have allowed for the costs of all these in his Tender.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>Contractor's responsibility to check Site conditions (cont'd)</u>				
A	<p>No claim by the Contractor for additional monetary compensation or any extension of time shall be allowed on the grounds of any misunderstanding or allowed on the grounds of any misunderstanding or misapprehension in respect of the matters referred to in respect of the foregoing or on the grounds that incorrect or insufficient information was given to in respect of the foregoing or on the grounds that incorrect or insufficient information was given to him by any person whether or not in the employ of the Employer, or that the Contractor failed to obtain correct and sufficient information; nor shall the Contractor be relieved of any risk or obligation imposed or undertaken by him under the Contract on any such grounds or on the grounds that he did not or could not have foreseen any matter which may in fact affect or have affected the execution of the Works or compliance with his other obligations under the Contract.</p>				
	<u>Contractor to accept Site as found</u>				
B	<p>The Contractor shall accept the Site as found and take possession and maintain it in good order as from actual date of possession of those areas.</p>				
C	<p>The Employer assumes and shall have no responsibility for any change in the conditions of the Site after the date fixed for the Tender submission.</p>				
D	<p>Any information which may have been available to the Tenderer shall be deemed to have been given in good faith as a guide only and no responsibility will be taken by the Employer for its accuracy or for its applicability over the whole Site.</p>				
E	<p>No claim for a variation in the Contract Price or extension of time will be allowed on the grounds of ignorance of the conditions under which the Works are to be carried out.</p>				
	<u>SITE CLEARANCE WORKS</u>				
F	<p>The Contractor shall employ and be fully responsible the services of a fully experience and competent specialist sub-contractor to remove and safety dispose of all ordinance and Archaeological remains on the Site.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
A	<p><u>SITE CLEARANCE WORKS (Cont'd)</u></p> <p>The Contractor shall be fully responsible to properly co-ordinate and Programmed these Works within the Construction Programmed and shall take all necessary measures to ensure the Works are carried out safely and to the appropriate regulations.</p> <p><u>Soil erosion and sedimentation</u></p> <p>The Contractor shall be fully responsible for the complete design and provision of all Temporary Works necessary to control soil erosion and sedimentation on Site. The Contractor shall submit to the Engineer or his authorized Representative for approval his design and soil erosion and sedimentation plan for these Works. These Temporary Works shall be removed from Site upon completion of the Works unless otherwise directed by the Engineer.</p> <p>Preliminary details of these Works shall be submitted as part of Enclosure Number 4 with the Tender Documents.</p> <p><u>Damage by erosion</u></p> <p>The Contractor shall be responsible for containment of the Site including temporary access roads. In the event of any erosion, washout or collapse, he shall reinstate the Site at his own expense.</p> <p>Should any spoil or debris from the Site or from other areas affected by the Works be eroded and washed down or collapse onto Government land or private property, the Contractor shall at his own expense comply with any Government Department's instructions or the Engineer's instructions as to the removal of such spoil and debris and the carrying out of any remedial work and he shall indemnify the Employer against any expense, liability, loss, claim or proceedings arising out of any damage or nuisance caused by such erosion, washing down or collapse.</p> <p><u>Protection Works</u></p> <p>The Contractor shall amply protect all work and the Works including his own and that of all Subcontractors. No protection shall be removed until the approval of the Engineer or his authorized Representative has been obtained and it shall be the Contractor's sole responsibility for all damage sustained due to early removal and inadequate protection.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><u>TEMPORARY WORKS (cont'd)</u></p> <p><u>Protection Works (cont'd)</u></p> <p>A The Contractor shall be fully responsible for the complete design and provision of temporary protection works to protect the harbor and sea water area from the effects of any soils or materials that may be washed off the Landward Side of the Site and from any of the effects caused by the dredging and reclamation Works. It is envisioned that the Contractor will have to design and supply silt fencing which will be moved as the Works progresses. The Contractor shall submit for approval of the Engineer or his authorized Representative his complete design for such protection works. These Temporary Works shall be removed from Site upon completion of the Work or as further directed by the Engineer. Preliminary details of these Works shall be submitted as part of Enclosure No. 8 with the Tender Documents.</p> <p><u>Other Temporary Works</u></p> <p>B The Contractor shall provide all other Temporary Works items and / or carry out all other temporary work not specifically mentioned within the Contract Documents but which are / is inherently required and necessary for the execution, completion and maintenance of the Works, all of which shall be deemed to have been included in the ntractor's Tender Price.</p> <p><u>Removal of Temporary Works</u></p> <p>C The Contractor shall completely remove all Temporary Works items when their use is no longer required and clean up and repair all damage caused by installation or use of temporary facilities.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><u>Engineers Office</u></p> <p>A Immediately upon possession of the Site the Contractor shall provide and maintain a suitable weather-tight office thereon for the use of the Engineer and his Assistants for 12 number people, of not less than 96 m2, fitted with lock-up desks, plan drawers and / or cupboards, plan benches, minimum of two wall mounted white boards, chairs and stools, and with kitchen and toilet accommodation attached or adjacent. The office shall be properly cleaned daily and equipped with air-conditioners, electric lights, power points, a telephone and a fax machine outlets, both with operational service lines for local and international use. The Contractor must pay all charges in connection therewith including the provision of all necessary power for the air-conditioners, lights, power points and equipment; he shall also provide and pay for, entirely at his own expense, a drinking water supply.</p> <p>B The Contractor shall alter, adapt and / or relocate the temporary office to suit the approved programme and remove it on completion of the Works and make good or as directed by the Engineer.</p> <p>C Details of these Works shall be submitted as part of Enclosure number 4 with the Tender Documents.</p> <p><u>Provision of Vehicles for Use by Supervision Staff</u></p> <p>D Provision of 2 No. four-wheel drive vehicle (2800 cc).</p> <p>E Provision of 3 No. four-wheel drive double cabin pick-up vehicle (2800 cc).</p> <p>F Expenses, overheads and profit on items A and B.</p> <p>G Operation, maintenance, insurance and registration of vehicles for item A for the whole contract period plus two months.</p> <p>H Operation, maintenance, insurance and registration for item B for the whole contract period plus two months.</p> <p>I Provision of drivers</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>Provision of office equipment use by Supervision Staff (including maintenance)</u>				
A	Desk top computer with the following software - Windows 98 - Excell and Word 2000 - Auto Cad 2000				
B	Photocopy machine -paper size:A3				
C	Pinter -paper size:A3				
	<u>Walkie Talkies</u>				
D	Provide and maintain 6 sets of walkie-talkie, 3 sets as a minimum for the use of the Main Contractor and 3 sets for the use of Engineer's Site supervisory staff; arrange for licenses and pay all license fees and charges in connection therewith.				
E	Upon completion of the Contract, the aforesaid 3 sets of walkie-talkie shall become the property of the Employer and shall be returned refurbished and handed over to the Employer in good working condition.				
	<u>Protective Clothing etc.</u>				
F	The Contractor shall provide at no extra cost 12 number hardhats and 12 pairs of safety boots for the use of the Engineer, his staff and visitors to the Site.				
	<u>CO-ORDINATION WITH OTHER</u>				
	<u>Archaeological Preservation</u>				
G	The Contractor shall incorporate within his overall Construction Programme the Works as included in the Tender Documents, of the Archaeological Contractor. The provision of Clause 27.1 of the Contract Conditions shall apply. The Contractor shall co-ordinate and co-operate with the Archaeological Specialist during the course of the Work.				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<u>PRELIMINARIES FOR THE WORK</u>				
	<u>COLLECTION</u>				
A	Total Page No. 1				
B	Total Page No. 2				
C	Total Page No. 3				
D	Total Page No. 4				
E	Total Page No. 5				
F	Total Page No. 6				
G	Total Page No. 7				
H	Total Page No./8				
I	Total Page No. 9				
J	Total Page No. 10				
K	Total Page No. 11				
L	Total Page No. 12				
M	Total Page No. 13				
N	Total Page No. 14				
O	Total Page No. 15				
P	Total Page No. 16				
Q	Total Page No. 17				
R	Total Page No. 18				
S	Total Page No. 19				
T	Total Page No. 20				
U	Total Page No. 21				
Total to GENERAL SUMMARY					

CONSTRUCTION COST

GENERAL SUMMARY

**DEAD SEA PANORAMIC COMPLEX
GENERAL SUMMARY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/FILS	JD/FILS
	GENERAL SUMMARY				
	Preliminaries				372,745.00
	Bill 1 - Main Building				1,151,977.10
	Bill 2 - Exhibtion				368,525.00
	Bill 3 - External Works				563,654.05
	Bill 4 - Mechanical Works				284,468.75
	Bill 5 - Electrical Works				333,074.73
	Profit				269,555.37
	Total (Carry to Form of Tender)			JD	3,344,000.00

BILL OF QUANTITIES

DEAD SEA PANORAMIC SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III
BILL NO. 1 BUILDING WORKS

PRICED COPY

**BILL NO. 1
SUMMARY**

Div. No.	Description	Quantity	Unit	Rate	Amount
				JD/FILS	JD/FILS
	SUMMARY				
2	Sitework				19,807.80
3	Concrete				340,369.00
4	Masonry				359,685.00
5	Metals				30,510.00
6	Wood and Plastic				1,260.00
7	Thermal & Moisture Protection				116,925.50
8	Doors and Windows				89,860.00
9	Finishes				165,305.80
10	Specialties				6,894.00
12	Furniture				16,860.00
13	Special Construction				4,500.00
	To General Summary			JD	1,151,977.10

BILL NO. 1
DIVISION 2 - SITEWORK

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p>SITE CONSTRUCTION</p> <p>02230 - Site Clearing 02300 - Earth Work 02540 - Septic Tank Systems 02784 - Stone Pavors 02900 - Planting 02946 - Landscape edging</p> <p><u>EXCAVATION</u> Excavation in any kind of soil, rock ... etc., starting at natural ground levels including compacting backfill material around basement walls and removal of surplus material from site to an approved dumping area complete as per specifications</p>				
2.1	Basement excavation and the like	437	m3	2.50	1,092.50
2.2	Reduce level excavation	1421	m3	2.50	3,552.50
	<p>Excavation in any kind of soil, rock ..etc., starting at reduced level down to bottom of blinding including compacting backfill around foundations and removal of surplus material from site to an approved dumping area complete as per specifications</p>				-
2.3	Trenches excavation	732	m3	5.60	4,099.20
2.4	Pits excavation	116	m3	5.60	649.60
		To Collection		JD	9,393.80

BILL NO. 1
DIVISION 3 - CONCRETE

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	CONCRETE				
	03050 - Basic Concrete Materials & Methods				
	<u>Concrete Formwork</u>				
	Extra Over for Fairface concrete (Grade 1) finish including positioning of grooves, chamfers, "V" shapes, recesses ...etc., complete as shown on the drawings and as specifications				
3.1	To Concrete Surfaces, generally	700	m2	6.00	4,200.00
3.1a	Ordinary form	12829	m2	6.00	76,974.00
	<u>Concrete Reinforcement</u>				
	Deformed high yield steel bar reinforcement of characteristic strength FY=420 N/mm2, including bending, hooks, tying wires, distance blocks and spacers, complete as per specifications				
3.2	Various diameters	243.43	ton	400.00	97,372.00
	Deformed mild steel bar reinforcement of characteristic strength FY=275 N/mm2 including bending, hooks, tying wires, distance blocks and spacers, complete as per specifications				
3.3	Various diameters	27.05	ton	400.00	10,820.00
	<u>Cast-In-Place Concrete</u>				
	<u>Concrete Curing</u>				
	Plain concrete (C 15), 15 N/mm2 at 28 day compressive strength with ordinary Portland cement complete as per				
3.4	100 mm thick blinding	432	m3	45.00	19,440.00
		To Collection		JD	208,806.00

BILL NO. 1
DIVISION 4 - MASONRY

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	MASONRY				
	<u>04810 - Unit Masonary Assemblies</u> Hollow concrete blockwork in cement and sand mortar (1:4) including all cutting, bonding, control and expansion joint, lintels, and bond beams complete as shown on drawings and as per specifications				
4.1	100 mm thick walls, internally	192	m2	6.00	1,152.00
4.2	Ditto, protection walls	664	m2	6.00	3,984.00
4.3	200mm thick walls, internally	604	m2	9.10	5,496.40
4.4	Hollow concrete block, size 400/360 x 200 x 240mm high	6559	No.	0.40	2,623.60
	<u>04853 - Stone Assemblies</u> First quality "Ajloune or travertine" stone wall cladding including special stones, heads, jambs, sills, arches, fins, external and internal angles, grooves, stainless steel, anchorage system, anchors, shelf angles, restraint, bolts, etc., cutting, pointing, fixings, fittings, and accessories, complete as shown on drawings and as per specifications.				
4.5	To Walls, 60-80mm thick, yellow travertine stone spilt face, mufajjar, 500mm course height, externally	1590	m2	68.00	108,120.00
4.6	Ditto, 50mm thick, yellow travertine, split face, (chiseled) musamsam, 245mm course height, externally with constant length	666	m2	68.00	45,288.00
			To Collection	JD	166,664.00

**BILL NO. 1
DIVISION 4
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	MASONRY (CONT'D)				
	<u>04853 - Stone Assemblies (Contd.)</u>				
	First quality "Ajloun or travertine" stone wall cladding including special stones, heads, jambs, sills, arches, fins, external and internal angles, grooves, stainless steel anchorage system, anchors, shelf angles, restraint, bolts, etc., cutting, pointing, fixings, fittings and accessories, complete as shown on drawings and as per specifications.				
4.7	To Walls 50mm thick Ajloun, off white stone split face honed, 245mm course	82	m2	62.00	5,084.00
4.8	Ditto, 50mm, brown travertine stone, split face "Mufajar", 300mm course height,	48	m2	62.00	2,976.00
4.9	To soffits, 50mm thick, yellow travertine	26	m2	60.00	1,560.00
4.10	50mm thick to soffits of arches, yellow travertine stone	160	m2	86.00	13,760.00
4.11	To walls, 60-80mm thick, travertine, 500mm course height, internally	287	m2	69.00	19,803.00
4.12	Ditto, 50mm thick, travertine, 250mm course height, internally	370	m2	62.00	22,940.00
	First quality "Ajloun" stone wall cladding, including concrete backing, 600 x 600 mm inspection opening, special stones, heads, jambs, sills, arches, fins, external and internal angles steel fixings, bolts, cuttings, pointing, fixings, fittings and accessories complete as shown on drawings and as per specifications				
4.13	To walls, Ajloun acid itched, size 200 x 200 x 12 mm thick, for bathroom internal	375	m2	35.00	13,125.00
		To Collection		JD	79,248.00

**BILL NO. 1
DIVISION 4
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	MASONRY (CONT'D)				
	<u>04853 - Stone Assemblies (Contd.)</u>				
	First quality "Ajoun or Travertine" stone coping, base, cornice, skirting and sills, including all necessary mortar bed, cutting, pointing and fixings, complete as shown on drawings A451 - A458 and as per specifications.				
4.14	Base stone, brown travertine , size 300mm coarse high, 50mm thick	221	m	22.00	4,862.00
4.15	Stone coping, yellow travertine, L shape, size 390 x 245 x 50mm thick	304	m	47.00	14,288.00
4.16	Ditto, size 390 x 245 x 50mm thick	304	m	34.00	10,336.00
4.17	Ditto, U shape, 700mm long x 50mm thick, to corridor	140	m	47.00	6,580.00
4.18	Ditto, L shape, size 300 x 300 x 50mm thick, corridor	192	m	47.00	9,024.00
4.19	Stone course, to form recess for embedded lighting fixture, size 245 x 50mm thick	50	m	22.00	1,100.00
	First quality "Ajoun or travertine" stone columns, including all necessary crown , base, concrete filling, cement sand mortar bed, cutting, pointing and fixings, complete as shown on drawings and as per specification				
4.20	Circular columns, dressed matabah , size 550mm diameter x 3340m x 50mm thick	2	No.	430.00	860.00
4.21	Ditto, size 400mm diameter, 3350mm x 50mm thick	4	No.	344.00	1,376.00
		To Collection		JD	48,426.00

**BILL NO. 1
DIVISION 4
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	MASONRY (CONT'D)				
	<u>04853 - Stone Assemblies (Contd.)</u>				
	First quality "Ajoun or travertine type" stone columns, including all necessary crown , base, concrete filling, cement sand mortar, cutting, pointing and fixings, complete as shown on drawing DSPC-A 455, 457 and 458 and as per specification				
4.22	Composite stone circular column consisting of yellow travertine honed stone crown and base yellow travertine matabah circular columns. size 700 mm diameter x	8	No.	1,200.00	9,600.00
4.23	Stone column, yellow travertine, size 500 x 500mm x 3500 high	12	No.	1,000.00	12,000.00
4.24	Ditto, yellow travertine , matabah finish size 400mm diameter x 2500mm high x	40	No.	500.00	20,000.00
4.25	Ditto, size 700mm diameter x 6910mm high x 50mm thick	8	No.	1,400.00	11,200.00
4.26	Drainage channel, Ajloune dark stone (sand plastered acid wash), U shape, size 600 x 600 x 300mm high	10	No.	180.00	1,800.00
4.27	Seat, travertine stone, U shape, size 600 x 450mm high	24	m	165.00	3,960.00
4.28	Ajlone saharawi desert skirting, 100mm	118	m	7.00	826.00
4.29	Hebron marble skirting, 100mm high	321	m	7.00	2,247.00
4.30	Sills, yellow travertine matabah finish , L shape, size 645mm long x 50mm thick	10	m2	80.00	800.00
4.31	Ditto, size 970mm x 50mm thick	10	m2	80.00	800.00
		To Collection		JD	63,233.00

**BILL NO. 1
DIVISION 4
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	MASONRY (CONT'D)				
	<u>Natural Marble</u> Finish quality "Hebron type" marble floor tiles, on and including cement and sand mortar bed, sand fill material, cutting, grouting, fittings, fixings, pointing, polishing and cleaning, complete as shown on drawings and as per specifications.				
4.32	Treads, 30mm thick	5	m2	26.00	130.00
4.33	Risers, 20mm thick	4	m2	22.00	88.00
4.34	Landings	2	m2	43.00	86.00
	First quality "imported type" white colour marble vanity units, consisting of 30mm thick marble counter tops, 100mm high x 30mm thick marble back splash, 300mm high x 30mm thick marble fascia, all necessary fixings, framing system, fittings, accessories and decoration, complete as shown on drawings and as per specifications				
4.35	Vanity unit, size 600mm wide x 1880mm long with cutouts for two basins.	1	No.	300.00	300.00
4.36	Ditto, size 600mm wide x 2200m long with cutouts for two basins	1	No.	320.00	320.00
4.37	Ditto, size 600mm wide x 2430mm long with cutouts for three basins	1	No.	350.00	350.00
4.38	Ditto, size 600mm wide x 3200mm long with cutout for three basins.	2	No.	420.00	840.00
		To Collection		JD	2,114.00

BILL NO. 1
DIVISION 5 - METALS

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	METALS 05120 - Structural Steel MISCELLANEOUS METAL FABRICATIONS Steel ladder comprising 12 x 60 mm flat steel stringer plate, 50 mm diameter rungs through hole, 3 mm steel checkered plate, flat plate, support bracket, including all welding, bolts, Steel angles, fixings, fittings, accessories, and epoxy painting, complete as shown on drawings and as per specifications				
5.1	Steel ladder, 600mm wide, various high	20	m	100.00	2,000.00
	Galvanized steel rain water gratings including frames, fixings, fittings, accessories and decoration, complete as shown on drawings and as per				
5.2	Rain water grating, 300mm wide	55	m	42.00	2,310.00
	Suspended steel ceiling truss, comprising galvanized pipe 1" diameter, supporting system, including all necessary fixings, fittings, accessories, and decoration, complete as shown on drawing A-501 and as per specifications.				
5.3	Exhibition ceiling, oversize 3100 x 3100 x 500mm high	1	No.	1,000.00	1,000.00
	Galvanized metal flashing, including all necessary fixings, fittings, mastic sealant, and decoration, complete as shown on drawing A-D04 and as per specifications				
5.4	To Roof Parapet, approximate long 230mm	720	m	35.00	25,200.00
		To Summary		JD	30,510.00

BILL NO. 1
DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	07120 - THERMAL AND MOISTURE PROTECTION				
	<u>CAST-IN-PLACE CONCRETE</u>				
	"Lightweight" foam concrete "450 Kg/m3", including angle fillet, complete as shown on drawings as per specifications				
7.1	To Roofs "Trowelled smooth" cement and sand leveling screed, complete as shown on drawings and as per specifications	210	m3	60.00	12,600.00
7.2	To roofs, 20mm thick Cement and sand protection screed, including all necessary preparation works, complete as shown on drawings and as per specifications	2100	m2	2.50	5,250.00
7.3	Under slab on grade, 30mm thick <u>WATERPROOFING FOR UNDER GROUND WORKS</u>	2486	m2	5.50	13,673.00
	Approved water proof, cold applied, 1 mm thick complete as shown on drawings and as per specifications				
7.4	Horizontally	1271	m2	6.00	7,626.00
7.5	Vertically	1911	m2	6.00	11,466.00
	<u>FLUID APPLIED WATER PROOFING SYSTEM</u>				
	Fluid applied water proof coating, complete as shown on drawings and as per specifications				
7.6	Horizontally	361	m2	3.00	1,083.00
7.7	Vertically	100	m2	3.00	300.00
		To Collection		JD	51,998.00

**BILL NO. 1
DIVISION 7
THERMAL & MOISTURE
PROTECTION**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	THERMAL AND MOISTURE PROTECTION				
	ELASTOMERIC WATER PROOFING SYSTEMS				
	Polyurethane elastomeric water proofing coating, including all necessary preparation works and under coats, complete as shown on drawings and as per specifications				
7.8	To Concrete Walls, extnerally, 1 mm thick	2634	m2	3.00	7,902.00
	ROCKWOOL INSULATION				
	50 mm thick, high density (60 kg/m3) rockwool thermal insulation, including all necessary fixings, complete as shown on drawings and as per specifications				
7.9	To external walls	2634	m2	5.00	13,170.00
	RIGID INSULATION AND POLYSTYRENE				
	Polystyrene void filler, density not less than 60kg/m3, complete as shown on drawings and as per specifications				
7.10	Polystyrene void filler	10	m3	100.00	1,000.00
	Polyethylene sheet, 500 micron thickness, including 15mm wide overlapping joint between layers, complete as shown on drawings and as per specifications				
7.11	Under slab on grade, 1000 gauge	2486	m2	1.00	2,486.00
		To Collection		JD	24,558.00

**BILL NO. 1
DIVISION 7
THERMAL & MOISTURE
PROTECTION**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	THERMAL AND MOISTURE PROTECTION				
	MODIFIED BITUMEN ROOFING MEMBRANE				
	4mm thick bitumen membrane water proofing, including all necessary fixings, complete as shown on drawings and as per specifications thermal insulation 40mm thk.				
7.12	To Roofs	2100	m2	6.00	12,600.00
	SHEET METAL FLASHING AND				
	1mm thick zinc metal fashing, including galvanized metal clips, mastic sealants, all necessary fixings, fittings, and accessories, complete as shown on drawings and as per specifications				
7.13	Zinc metal flashing, 350mm wide	1147	m	13.00	14,911.00
	SEALANTS				
	Mastic sealant, including making grooves prepare surface to receive sealant, and closed cell backing cord, complete as shown on drawings and as per specifications				
7.14	Mastic, to main roof	1147	m	8.00	9,176.00
	SUNDRIES				
	1" diameter wadi gravel complete as shown on drawings and as per specifications				
7.15	To Roofs	2100	m2	1.70	3,570.00
	Sand layer over polyethylene sheet, complete as per specifications				
7.16	30 mm thick	75	m3	1.50	112.50
		To Collection		JD	40,369.50

BILL NO. 1
DIVISION 8 - DOORS AND WINDOWS

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS				
	<u>08110 - Steel Doors and</u> <u>08111- Standards Steel Frames</u> Louvered steel doors and windows comprising 20 x 30 mm "U" section steel frames welded with sub frame, 30 x 30 mm steel tube, 30 mm steel plates louvers welded to steel tube 300 x 200 x 3 mm thick steel plates anchored in concrete including all necessary aluminium wire mesh fly screen screwed W/frame to steel tube , fixings, fittings, accessories, mastic, hardware and decoration complete as shown on drawings and as per specifications				
8.1	Type SD05, leaf size 1000 x 2000 mm high	1	No.	300.00	300.00
	Louvered steel screen and frames, comprising 3mm steel plate welded to steel tube, 30 x 30mm steel tube, including all necessary fixings, fittings, accessories, decoration, fly screens and hardware complete as shown on drawings and as per specifications.				
8.2	Ref. SW1, double leaf size 3850 x 2830mm	1	No.	200.00	200.00
8.3	Ref. SW2, size 4149 x 4960mm high	1	No.	400.00	400.00
8.4	Ref. SW4 size 2800 x 300mm high	1	No.	200.00	200.00
8.5	Ref. SW5, size 4800 x 300mm high	1	No.	200.00	200.00
8.6	Ref. SW6, size 600 x 300mm high	1	No.	100.00	100.00
8.7	Ref. SW7, size 1700 x 300mm high	3	No.	200.00	600.00
		To Collection		JD	2,000.00

**BILL NO. 1
DIVISION 8
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS (CONT'D)				
	<u>08110 - Steel Doors and</u> <u>08111- Standards Steel Frames</u>				
	Hot rolled atmospheric corrosion resisting steel doors and frames, comprising 200 x 200mm corten steel tube frame, 130 x 130mm corten steel tube frame. 150 x 25mm corten steel plate. 30 x 30mm "C" channel of corten steel door leaf 30 x 20mm corten steel spacer 8mm thick corten steel plates, 10mm thick tempered glass, steel hinges, including all necessary concrete filling, fixings, fittings, accessories, hardware and decoration complete as shown on drawings and as per specifications				
8.8	Type SD1, leaf size 1925 x 2830 mm high	3	No.	640.00	1,920.00
8.90	Type SD2, leaf size 2600 x 2830 mm high	1	No.	1,045.00	1,045.00
8.1	Type SD3, leaf size 1600 x 2320 mm high	2	No.	550.00	1,100.00
8.11	Type SD4, leaf size 1600 x 2210 mm high	2	No.	525.00	1,050.00
	Protection steel screen and frames, comprised of 30x30mm steel tubes frames, 20x8mm steel flat bars/15c.m both way including all necessities and painting as shown on drawings and per specification				
8.12	For window No.TPW1 size 4830x550mm	4	No.	150.00	600.00
8.13	for window No.TPW2 size 7070x550mm	4	No.	220.00	880.00
		To Collection		JD	6,595.00

**BILL NO. 1
DIVISION 8
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS (CONT'D)				
	<u>08210 - Wood Doors and Frames</u>				
	45mm thick Swedish wooden doors, comprising 5mm thick plywood, Oak veneered facing door leaf edging, 25 x 35mm softwood strips, hardwood lipping, 45mm Swedish wood frame, including all necessary subframe, architrave lugs, joints, protection coating, push plate, kick plate, fixings, fittings, accessories, hardware, glazing and decoration complete as shown on drawings and as per specifications				
8.14	Single leaf door type TD1, to suit opening size 1000mm x 2100mm high	1	No.	530.00	530.00
8.15	Ditto, type TD2, to suit opening size 1150mm x 2320mm high	1	No.	680.00	680.00
8.16	Ditto, type TD3, to suit opening size 1000mm x 2320mm high	4	No.	600.00	2,400.00
8.17	Ditto, type TD4, to suit opening size 1000 x 2320mm high	2	No.	600.00	1,200.00
8.18	Double leaf, type TD5, to suit opening size 2600 X 2320mm high	1	No.	1,530.00	1,530.00
8.19	Single leaf door type TD6, to suit opening size 800mm x 2100mm high	12	No.	425.00	5,100.00
8.2	Ditto, type TD7, to suit opening size 900 x 2100m high	8	No.	475.00	3,800.00
8.21	Ditto, type TD8, to suit opening size 750mm x 2100mm high	3	No.	425.00	1,275.00
		To Collection		JD	16,515.00

**BILL NO. 1
DIVISION 8
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS (CONT'D)				
	<u>08210 - Wood Doors and Frames</u>				
	45mm thick Swedish wooden doors, comprising 5mm thick plywood Oak veneered facing door leaf edging, 25 x 35mm softwood strips, hardwood lipping, 45mm Oak wood frame, including all necessary subframe, architrave lugs, joints, protection coating, aluminum plate for sign, push plate, kick plate, fixings, fittings, accessories, hardware, glazing and decoration complete as shown on drawings and as per specifications				
8.22	Single leaf door, type TD12, to suit opening size 900mm x 2320mm high	1	No.	510.00	510.00
8.23	Double leaf door, type TD13, to suit opening size 1400mm x 2320mm high	2	No.	830.00	1,660.00
8.24	Ditto, type TD15, to suit opening size 1600 x 2320mm high	1	No.	930.00	930.00
8.25	Ditto, type TG1, size 2600 x 2320mm high	2	No.	1,250.00	2,500.00
8.26	Ditto, type TG2, size 2600 x 2320mm high	1	No.	1,500.00	1,500.00
8.27	Ditto, type TG3, size 2600 x 2320mm high, including 2600 x 1330 x 10mm thick tepered glass panel	1	No.	1,700.00	1,700.00
		To Collection		JD	8,800.00

**BILL NO. 1
DIVISION 8
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS (CONT'D)				
	<u>08210 - Wood Doors and Frames</u>				
	45mm thick Swedish wooden doors, with oil paint finish comprising door leaf edging, 25 x 35mm softwood strips, hardwood lipping, 45mm Oak wood frame, including all necessary subframe, architrave lugs, joints, protection coating, aluminum plate for sign, push plate, kick plate, fixings, fittings, accessories, hardware, glazing and decoration complete as shown on drawings and as per specifications				
8.28	Single Leaf door, type TD9, to suit opening size 1000mm x 2100mm high	8	No.	530.00	4,240.00
8.29	Double leaf door, type TD10, to suit opening size 1800mm x 2100mm high	5	No.	930.00	4,650.00
8.3	Single leaf door type TD11, to suit opening size 750mm x 2100mm high	2	No.	400.00	800.00
8.31	Single leaf door type TD14, to suit opening size 800 x 2100mm high	6	No.	425.00	2,550.00
8.32	Double leaf door, type TD16, to suit opening size 1400 x 2100mm high	1	No.	930.00	930.00
		To Collection		JD	13,170.00

**BILL NO.1
DIVISION 8
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS (CONT'D)				
	<u>08210 - Wood Doors and Frames</u>				
	47mm thick laminated wooden doors 1/2 hour fire rated, comprising 1.5mm thick powder coated pressed steel door frame, hard wood lipping, soft wood grounds, 75 x 35mm pine wood core door frame, 5mm thick plywood veneer, 1mm thick hard P.V.C all necessary subframe, architrave, lugs, joints, aluminum kick plates, cement mortar infilt, fixings, fittings, accessories hardware, glazing and decortion, complete as shown on drawings and as per specifications				
8.33	Single leaf door, type LD1, overall size 1000 x 2330mm high	1	No.	750.00	750.00
	<u>08520 - Aluminum Windows</u>				
	6mm thick single glazed aluminum, windows, including all necessary frames, sub frames, trims, mastic sealant, aluminum architrave, sills, flashing, aluminum door threshold, caulking, flyscreen, flashing, glazing, weather stripping and hardware complete as shown on drawings and as per specifications				
8.34	Type AW01, size 640 x 1385 mm high	2	No.	60.00	120.00
8.35	Type AW02, size 700 x 1865 mm high	14	No.	90.00	1,260.00
8.36	Type AW03, size 700 x 1365 mm high	2	No.	65.00	130.00
8.37	Type AW04, size 700 x 1010 mm high,	4	No.	70.00	280.00
		To Collection		JD	2,540.00

**BILL NO. 1
DIVISION 8
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS (CONT'D)				
	<u>08800 - Glazing</u>				
	Tempered glass doors, windows, panels including all necessary frames, sub frames, trims, mastic sealant, architrave, sills, flashing, threshold, caulking, accessories, flashing, glazing, weather stripping and hardware, complete as shown drawings and as per specifications (Continued)				
8.38	Glass doors, type TPD1, size 3100 x 2830mm x 10mm thick	4	No.	1,300.00	5,200.00
8.39	Ditto, TPD2, size 3100 x 2830mm x 10mm	8	No.	1,300.00	10,400.00
8.4	Ditto, TPD3, size 4840 x 2340,, x 10mm	1	No.	1,700.00	1,700.00
8.41	Ditto, TPD4, size 11928 x 2340mm x 10mm	2	No.	4,000.00	8,000.00
8.42	Glass window type TPW1, size 4830 x 550mm x 12mm thick	4	No.	400.00	1,600.00
8.43	Ditto, type TPW2, size 7070 x 550mm x 12mm thick, L shape	4	No.	600.00	2,400.00
8.44	Ditto, type TPW3, size 3930 x 550 x 12mm	4	No.	350.00	1,400.00
8.45	Ditto, type TPW4, size 5790 x 550 x 12mm	4	No.	250.00	1,000.00
		To Collection		JD	31,700.00

**BILL NO. 1
DIVISION 8
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS (CONT'D)				
	<u>08800 - Glazing (Contd.)</u>				
	Glass windows, 6mm thick clear, float, single glass including all necessary fixings, fittings, accessories neoprene, caskets, brushes and silicon complete as shown on drawings and as per specifications (Continued)				
8.46	Glass window ref. GW1, size 1160 x 970mm	1	No.	100.00	100.00
8.47	Ditto, ref. GW2, size 2200 x 900mm high	1	No.	200.00	200.00
8.48	Ditto, Ref. GW3, size 1600 x 1530mm high	2	No.	220.00	440.00
	Composite screen partition, consisting 12 mm thick tempered glass screens, IPE300 section frame with concrete casing both sides faced with solid Oak wood cladding 12 mm thick, including all necessary fixings, fittings, hardware, glazing and decoration complete as shown on drawings and as per specifications				
8.49	Screen panel, ref. TG1, approximate size, 4820 x 3490 mm high (double leaf door measured elsewhere)	2	No.	3,300.00	6,600.00
	<u>08800- MIRRORS</u>				
	Mirror "self adhesive type" including all necessary fixings, trims, accessories, brass strip, block board, galvanized steel hook and plastic lug, complete as shown on drawings and as per specifications				
8.5	Mirror, size 2200 x 1000 x 6mm thick	1	No.	90.00	90.00
8.51	Ditto, size 2500 x 1000 x 6mm thick	1	No.	100.00	100.00
8.52	Ditto, size 3200 x 1000 x 6mm thick	2	No.	130.00	260.00
8.53	Ditto, full wedth, 1100 mm high	5	No.	150.00	750.00
		To Collection		JD	8,540.00

BILL NO. 1
DIVISION 9 - FINISHES

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	FINISHES				
	<u>09220 - Portland Cement Plaster</u> 25mm thick cement and sand plastering including all necessary casing stop, angle beads and wire mesh complete as shown on drawings and as per specifications				
9.1	To concrete or block walls, internally	1537	m2	3.20	4,918.40
9.2	To concrete soffits, internally	620	m2	3.60	2,232.00
9.3	To walls, under Ceramic Tiles	249	m2	3.60	896.40
	<u>Gypsum Board False Ceiling System</u> Gypsum board Suspended ceiling 12.5mm thick including suspension system, access panels, fixings, fittings, accessories and skim coat complete as shown on drawings and as per specifications				
9.4	Horizontally	914	m2	20.00	18,280.00
9.5	Bulkheads	488	m2	18.00	8,784.00
	Water repellent gypsum board suspended ceilings including suspension system, access panels, fixings, accessories and skim coat complete as shown on drawings, and as per specifications				
9.6	Horizontally	142	m2	22.00	3,124.00
		To Collection		JD	38,234.80

**BILL NO. 1
DIVISION 9
FINISHES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	FINISHES (CONT'D)				
	<u>09300 - Ceramic Tiles</u>				
	First quality anti slip ceramic floor tiles, on and including cement and sand mortar bed, sand fill material, cutting, fittings, trims, grouting and cleaning, complete as shown on drawings and as per specifications.				
9.7	To floors, size 200 x 200 x 8mm thick	142	m2	23.00	3,266.00
	First quality glazed ceramic wall tiles including all necessary fixings, accessories, adhesive, pointing and cleaning, complete as shown on drawings and as per specifications				
9.8	To walls, size 200 x 250 x 6mm thick	249	m2	25.00	6,225.00
	<u>Portland Terrazzo Tiles</u>				
	Terrazzo floor tiles on and including cement and sand mortar bed, sand fill materials, cutting, fittings, trims, accessories, grouting and polishing complete as shown on drawings, and as per specifications				
9.9	To floors, size 300mm x 300mm x 30mm	327	m2	6.00	1,962.00
	<u>Metal Linear Ceiling System</u>				
	Metal strip suspended ceiling including suspension system, access panels, fixings, and accessories complete as shown on drawing and as per specifications.				
9.10	Horizontally	119	m2	30.00	3,570.00
		To Collection		JD	15,023.00

**BILL NO. 1
DIVISION 9
FINISHES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	FINISHES (CONT'D)				
	Stone Flooring				
	First quality Sahrawi Basalt and Ajloun stone floor tiles on and including cement and sand mortar bed, sand fill material cutting, fittings, pointing and cleaning complete as shown on drawings and as per specifications.				
9.11	To Floors, size 300 x 300 x 30mm thick	1800	m2	38.00	68,400.00
9.12	Motif consisting of Ajloun type A and sahwari basalt type B, overall size 7500 x	1	No.	3,000.00	3,000.00
9.13	Ditto, overall size 12500 x 12500mm	1	No.	8,100.00	8,100.00
9.14	Ditto, overall size 10500 x 10500mm	1	No.	5,800.00	5,800.00
9.15	Ditto, sahwari basalt, polished black, size 300 x 300 x 30mm thick	45	m2	51.00	2,295.00
	First quality "Ajlone type" stone floor tiles on and including cement and sand mortar bed, sand fill material, cutting, fittings, fixings, pointing and cleaning complete as shown on drawings and as per specifications				
9.16	To Floors, size 200 x 200 x 30mm, acid	202	m2	34.00	6,868.00
9.17	Treads, dark stone sand blast acid wash, 30mm thick	39	m2	45.00	1,755.00
9.18	Risers, 20mm thick	19	m2	35.00	665.00
9.19	Thresholds, 30mm thick	6	m2	45.00	270.00
		To Collection		JD	97,153.00

BILL NO. 1
DIVISION 10 - SPECIALTIES

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SPECIALTIES				
	<u>10441 - Plastic Signs</u> Signs, comprising 6mm tempered glass with chamfered edge, with frosted vinyl writing, 25mm diameter lacceuered brass bracket, all necessary fixings, fittings and accessoriese, complete as shown on drawing DSPC - SG003, 004, and as per specifications.				
10.1	Touristing Guide map, reference 1/DSPC. SG003, size 1000mm wide x 500mm high	2	No.	250.00	500.00
10.2	Room Name Sign, reference 6/DSPC. SG003, size 300mm wide x 250mm high	1	No.	40.00	40.00
10.3	Space Name Sign, reference 3/DSPC. SG003,, size 1000mm x 500mm high	1	No.	60.00	60.00
10.4	Room Name Sign, reference 4/DSPC. SG003, size 300mm x 250mm high	1	No.	40.00	40.00
10.5	Room Name Sign, reference 5/DSPC. SG003, size 1000mm x 500mm high	1	No.	60.00	60.00
10.6	Room Name Sign, reference 6/DSPC. SG003, size 300mm wide x 25mm high	1	No.	40.00	40.00
10.7	Toilet Sign, reference 7/DSPC. SG003, size 300mm wide x 250mm high	1	No.	55.00	55.00
10.8	Toilet Sign, reference 8/DSPC. SG003, size 300mm wide x 250mm high	2	No.	55.00	110.00
10.9	Toilet Sign, reference 9/DSPC. SG003 size, 300mm wide x 250mm high	2	No.	55.00	110.00
		To Collection		JD	1,015.00

**BILL NO. 1
DIVISION 10
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SPECIALTIES (CONTD.)				
	<u>10441 - Plastic Signs</u> Signs, comprising 6mm tempered glass with chamfered edge, with frosted vinyl writing, 25mm diameter lacceuered brass bracket, all necessary fixings, fittings and accessoriese, complete as shown on drawing DSPC - SG003, 004, and as per specifications.				
10.10	Escape Sign, reference 10/DSPC. SG003, size 300mm wide x 250mm high	5	No.	40.00	200.00
10.1	Space Name Sign, reference 11/DSPC. SG003, size 1000mm wide x 500mm high	1	No.	40.00	40.00
10.1	Room Name Sign, reference 12/DSPC. SG003, size 300mm wide x 250mm high	1	No.	40.00	40.00
10.1	Room Name Sign, reference 13/DSPC. SG003, size 300mm wide x 250mm high	2	No.	40.00	80.00
	<u>10800 - Toilets and Bath Accessories</u> Toilet accessories including all necessary fixings, fittings, and accessories complete as shown on drawings and as per specifications				
10.1	Lavatory mounted liquid soap dispenser	14	No.	46.50	651.00
10.2	Toilet paper dispenser	12	No.	44.00	528.00
10.2	Paper towel dispenser of waste receptacles (for female toilets only)	10	No.	35.00	350.00
10.2	Recess mounted toilet paper & napkin disposal unit (for female toilets only)	6	No.	35.00	210.00
		To Collection		JD	2,099.00

**BILL NO. 1
DIVISION 10
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p><u>10501 - Metal Lockers</u> Metal lockers, including all necessary fixings fittings, accessories, 1.20mm thick stove paint, complete as shown on drawings and as per specifications</p>				
10.2	Metal Lockers, size 500 x 500 x 800mm	36	No.	105.00	3,780.00
		To Collection		JD	3,780.00

BILL NO. 1
DIVISION 12- Furniture

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<u>Furniture</u>				
	Multipurpose chairs, serie venus 8000, or approved equal, including supply and fix in place, complete as shown on drawings and as per engineer instructions and approval				
12.1	Multipurpose chairs, to theater ,type venus	68	No.	80.00	5,440.00
12.2	Ditto, type venus 8130	68	No.	80.00	5,440.00
	First quality office furniture, including supply and fix in place, complete as shown on drawing ref. A801 and as per engineer requirements and approval.				
12.3	Chairs, to theater	5	No.	60.00	300.00
12.4	Ditto, to offices	9	No.	60.00	540.00
12.5	Ditto, to control rooms	4	No.	60.00	240.00
12.6	Office Desks, size1600 x 1000mm	9	No.	200.00	1,800.00
12.7	Ditto, size 2300 x 1300mm	1	No.	250.00	250.00
12.8	Ditto, size 2300 x 600	1	No.	250.00	250.00
12.9	Conference Table, to theater, size 3500 x	1	No.	450.00	450.00
12.10	Counter 1600 x 500 mm wide	1	No.	150.00	150.00
12.1	Counter 2200 x 500 mm wide	1	No.	220.00	220.00
12.1	Coffee Table, size 900 x 900mm	1	No.	100.00	100.00
12.1	Sofas, five seaters, 4000 mm long	2	No.	400.00	800.00
12.1	Sofas, two seaters, 1800mm long	2	No.	200.00	400.00
12.2	Shelves, 2000 x 300 mm long	8	No.	40.00	320.00
12.2	Shelves, 3700 x 600 mm long	2	No.	80.00	160.00
		To Summary		JD	16,860.00

BILL NO. 1
DIVISION 13 - SPECIAL CONSTRUCTION

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SPECIAL CONSTRUCTION				
	<u>FOUNTAIN</u> Reinforced, fairface concrete, fountain consisting of concrete works, reinforcement steel bars, finishing works, water proofing, tiling works, electrical and mechanical works, all necessary fixings, fittings, accessories, and decorations complete as shown on drawing DSPC - A-D02 and as per specifications				
13.1	Fountain, irregular shape, overall size 3000 x 3000mm	1	No.	2,500.00	2,500.00
13.2	Ditto, octagonal shape, overall size 2100 x 2100mm	1	No.	2,000.00	2,000.00
		To Summary		JD	4,500.00

DEAD SEA PANORAMIC SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III
BILL NO. 2 EXHIBITION WORKS

PRICED COPY

**BILL NO. 2
SUMMARY**

Div. No.	Description	Quantity	Unit	Rate	Amount
				JD/FILS	JD/FILS
10	SUMMARY Specialties				368,525.00
	To General Summary			JD	368,525.00

BILL NO. 2
DIVISION 10 - SPECIALTIES

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p>SPECIALTIES</p> <p><u>Prices includes necessary data and material colletion, reserch and editing of software.</u></p> <p><u>Sundry Items</u></p> <p>Tempered glass panel, consisting of two layers of 6mm thick tempered glass panels with flex in between (digital printed) fixed on split face, finish Karak brown stone and honed finish Karak stone base, including all necessary mastic, fixings, fittings and accessories, complete as shown on drawings DSPCEX-002 detail - 1 and DSPC. EX-003 detail - 5 and as per specifications</p>				
10.1	Tempered glass Panel, size 840mm wide x 1980mm high, type A	44	No.	1,500.00	66,000.00
10.2	<p>Ditto, size 1500mm wide x 1980mm high,</p> <p>show cases consisting of 6mm thick clear glass, overall size 300 x 300 x 285mm high glass box, fixed on polished Karak brown stone size 330 x 330 x 615mm high and split face Karak brown stone base size 330 x 330 x 330mm high with chamfered edges including all necessary mastic, fixings, fittings, and accessories complete as shown on drawing DSPC.EX-002 detail-2 and as per specifications</p>	4	No.	2,100.00	8,400.00
10.3	Show cases, overall size 330 x 330 x 1230mm high	32	No.	1,700.00	54,400.00
		To Collection		JD	128,800.00

**BILL NO. 2
DIVISION 10
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SPECIALTIES (CONTD.)				
	<p>Show cases consisting of 8mm thick special glass for museum's show cases, overall size 586 x 586x 586mm high box, fixed on split face Karak brown stone size 600 x 600 x 600mm high and honed finish Karak brown stone base size 576 x 576 x 150mm high including all necessary mastic, fixings, fittings and accessories complete as shown on drawing DSPC.EX-003 detail-6 and as per specifications</p>				
10.4	<p>Show cases, overall size 600 x 600 x 1350mm high</p> <p>Show cases consisting of 6mm thick special glass, overall, size 1470 x 1470 x 1200mm high box, fixed on split face Karak brown stone size 1500 x 1500 x 600mm high with chamfered edges and honed base size 1440 x 1440 x 150mm high including all necessary mastic, fittings, fixings, and accessories complete as shown on drawing DSPC.EX-003 detail - 7 and as per specifications</p>	14	No.	1,900.00	26,600.00
10.5	Show cases, overall size 1500 x 1500 x 1950mm high	2	No.	1,900.00	3,800.00
		To Collection		JD	30,400.00

**BILL NO. 2
DIVISION 10
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SPECIALTIES (CONTD.)				
	Show case consisting of 6mm thick clear glass size 1500 x 1500mm, split face Karak brown stone frame 300mm thick x 450mm high with inner side freeze to receive glass, and polished finish Karak Brown stone base size 2000 x 2000 x 150mm high including all necessary mastic, fittings, fixings and accessories, complete as shown on drawing DSCPC.EX-004 detail - 9 and as per specifications				
10.6	Stone show case, overall size 2100 x 2100 x 600mm high	2	No.	1,750.00	3,500.00
	Dead Sea model artworks consisting of octagonal shaped plexi glass overall size 4711 x 4711mm fixed on split face, Karak brown stone wall size 205mm thick x 450mm high with freeze at inner side to receive glass, and polished finish Karak brown stone base size 5021 x 5635 x 150mm high, including all necessary mastic, fittings, fixings, and accessories, complete as shown on drawings DSPC.EX-004 detail -10 and as per specifications				
10.7	Dead Sea Model, overall size 5121 x 5735 x 600mm high	1	No.	40,000.00	40,000.00
		To Collection		JD	43,500.00

**BILL NO. 2
DIVISION 10
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SPECIALTIES (CONTD.)				
	Dead sea scroll show case (air tight) consisting of 5mm thick tempered float glass for museum's show cases, overall size 900 x 900 x 1200mm high, 10mm thick tempered float glass cover box, fixed on split face Karak brown stone size 1500 x 1500 x 700mm high, 50mm thick stone sill matabeh finish, and polished finished Karak brown stone base size 200mm high, 8mm thick ply wood with velvet fixed on 20 x 20mm steel tube, reinforced concrete lintels, concrete backing, threshold including all necessary mastic, fittings, fixings, and accessories, complete as shown on drawing DSPC.EX-005 detail - 11 and as per specifications.				
10.8	Dead Sea Scroll show case, overall size 1500 x 1500 x 1950mm high	2	No.	2,000.00	4,000.00
	Karak brown stone TV table, split face finish, consisting of honed finish Karak brown stone base, overall size 1700 x 1700 x 150mm high, including all necessary fixings, fittings, and accessories complete as shown on drawing DSPC.EX-003 detail - 8 and as per specifications.				
10.9	TV stone table, overall size 1800 x 1800 x 750mm high, with variable sides	1	No.	850.00	850.00
	Natural stone piece from site as shown on drawing DSPC.EX-002 detail - 3 and as per Engineer's approval				
10.10	Natural stone piece, size 600 x 300 x 1200mm high	10	No.	750.00	7,500.00
		To Collection		JD	12,350.00

**BILL NO. 2
DIVISION 10
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SPECIALTIES (CONTD.)				
	Natural rock piece from site formation to have polish face at top and split face at sides as shown on drawing DSCPC.EX-002 detail - 4 and as per specifications				
10.11	Natural rock formation from site, size 450 x 450 x 450mm high	7	No.	425.00	2,975.00
	Movable chair manufactured by (FIGURAS) or equivalent including all necessary fixings, fittings, accessories complete as shown on drawings and as per specifications				
10.12	Chairs, size 580 x 570 x 760mm	4	No.	47.50	190.00
10.13	Audio Visual: Dead Sea in Danger Audio Visual Set<C>	1	LS	48,700.00	48,700.00
	C-1 Flat Panel Color Video Monitor(1set)				
	C-2 Mounting Brackets for Flat Panel (1set)				
	C-3DVD Player(1set)				
	C-4SystemOperation Computer (1set)				
	C-5 I/F Unit (1set)				
	C-6 System Controller(1 set)				
	C-7 Powered Mixer (1set)				
	C-9 Speaker(1pair)				
	C-10 Speaker Holder(2sets)				
	C-11 Connecting Cable (1lot)				
	C-12 Installation Material (1lot) as shown on detailed drawig No. (DSPC.EX-007-8)				
10.14	Software : Dead Sea in Danger Duration : 5minutes Naration with Music with Newly production and editing software as shown on detailed drawig (provisional sum)	1	LS	15,000.00	15,000.00
		To Collection		JD	66,865.00

**BILL NO. 2
DIVISION 10
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
10.15	Audio Visual : Ecology of Dead Sea Audio Visual Set <C> C-1 Flat Panel Color Vidio Monitor (1set) C-2 Mounting Brackets for Flat Panel (1set) C-3DVD Player(1set) C-4SystemOperation Computer (1set) C-5 I/F Unit (1set) C-6 System Controller(1 set) C-7 Powered Mixer (1set) C-9 Speaker(1pair) C-10 Speaker Holder(2sets) C-11 Connecting Cable (1lot) C-12 Installation Material (1lot) as shown on detailed drawig No. (DSPC.EX-007-8)	1	LS	48,700.00	48,700.00
10.16	Software : Dead Sea in Danger Duration : 5minutes Naration with Music with Newly production and editing software as shown on detailed drawig No. (DSPC.EX-007-8) (Provisional Sum)	1	LS	15,000.00	15,000.00
10.17	Stuffed Animal Model (2snakes 2birds) as shown on detailed drawig No. (DSPC.EX-007-8) (provisonal sum)	1	LS	800.00	800.00
10.18	Stuffed Animal Model (2animal) as shown on detailed drawig No. (DSPC.EX-007-8)	1	LS	1,000.00	1,000.00
10.19	Audio Visual Set <E > Computer Set Computer Display (touch as shown on detailed drawig No. (DSPC.EX-007-8) Equipment for Reinforcement Stage Equipment Inclined Equipment Type A Equipment Type B Equipment Perforated Steel Sheet Equipment Acrylic Stage Equipment Acrylic Box Equipment Acrylic Box B Equipment as shown on detailed drawig No. (DSPC. EX-007-8) Specification No.Article5	4	No.	4,600.00	18,400.00
		10	No.	50.00	500.00
		10	No.	50.00	500.00
		40	No.	4.00	160.00
		30	No.	5.00	150.00
		10	No.	30.00	300.00
		10	No.	30.00	300.00
		10	No.	40.00	400.00
		10	No.	40.00	400.00
		To Collection		JD	86,610.00

DEAD SEA PANORAMIC SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III
BILL NO. 3 EXTERNAL WORKS

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**BILL NO. 3
SUMMARY**

Div. No.	Description	Quantity	Unit	Rate	Amount
				JD/FILS	JD/FILS
	SUMMARY				
2	Sitework				296,489.70
3	Concrete				162,591.05
4	Masonry				53,315.00
5	Metals				7,599.00
7	Thermal & Moisture Protection				5,148.30
8	Doors and Windows				4,255.00
9	Finishes				1,656.00
10	Specialties				30,600.00
13	Special Construction				2,000.00
	To General Summary			JD	563,654.05

BILL NO. 3
DIVISION NO. 2 - SITEWORK

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK				
	Road Work				
2.1	Unclassified highway excavation	10400	m3	2.00	20,800.00
2.2	Embankment construction	8000	m3	2.00	16,000.00
2.3	Subgrade layer (topping 20cm)	1400	m3	2.50	3,500.00
2.4	Granular Sub-base course	1500	m3	4.50	6,750.00
2.5	Aggregate base course	1250	m3	6.00	7,500.00
2.6	Bituminous prime coat (MC-70)	7	ton	125.00	875.00
2.7	Bituminous tack coat (RC-250)	4	ton	125.00	500.00
2.8	Bituminous binder course (5.0 cm compacted thickness)	5000	m2	2.00	10,000.00
2.9	Bituminous wearing course (5.0 cm compacted thickness)	4000	m2	2.00	8,000.00
2.10	Precast concrete curb (mountable type)	50	m	8.00	400.00
2.11	Precast concrete tiling	200	m2	8.00	1,600.00
2.12	Small signs (not exceeding 1 sq.m area)	3	No.	35.00	105.00
2.13	Large ground mounted signs (from 1.0 to 2.0 sq.m area)	2	No.	35.00	70.00
2.14	Single post sign supports	3	No.	65.00	195.00
2.15	Multiple post sign supports assemblies	2	No.	150.00	300.00
2.16	Painted pavement lines (TRP) 10 cm wide, white (class A)	1100	m	1.25	1,375.00
		To Collection		JD	77,970.00

**BILL NO. 3
DIVISION 2
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK (CONT'D)				
2.17	Painted pavement lines (TRP) 15 cm wide, yellow (class B)	1100	m	1.10	1,210.00
2.18	Direction arrows	10	No.	7.00	70.00
2.19	Cat-eyes pavements studs	135	No.	5.00	675.00
2.20	R.C single pipe culvert, diam. = 900 mm	30	m	80.00	2,400.00
2.21	Catchpit (drop inlet)	1	No.	250.00	250.00
2.22	Concrete class C25 for box culverts, headwalls, endwalls, wingwalls, apron slabs and walls for stilling basin and check	50	m3	65.00	3,250.00
2.23	Concrete class C15 in blinding for box culverts and the related works	5	m3	50.00	250.00
2.24	Mortared stone riprap (15 cm thick) channel and ditch lining	100	m2	8.00	800.00
2.25	High tensile steel bars reinforcement (grade 60) for box culvert and the related	10	Ton	420.00	4,200.00
2.26	Mortared stone riprap (for embankment, steps and culvert protection)	15	m3	35.00	525.00
2.27	Unclassified structural excavation for box culvert and the related works	150	m3	4.00	600.00
2.28	Loose stone riprap - used for check dams and protection works	100	m3	10.00	1,000.00
		To Collection		JD	15,230.00

**BILL NO. 3
DIVISION 2
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK (CONT'D)				
	<u>02230 - Clearing</u>				
	<u>Site Preparation</u>				
	Clear the site from deleterious materials vegetation, debris, rubbish etc.				
2.29	Clearing the site generally	1	Item	1,275.00	1,275.00
	<u>02300 - Aggregate Material</u>				
	Natural gravel, "various sizes" and shapes, complete as shown on drawings and as per specifications				
2.30	Black gravel, various size	65	m3	5.10	331.50
2.31	Ditto, light colour beige gravel	66	m3	5.10	336.60
	<u>02300 - Rough Grading</u>				
	Trial way, including all necessary clearing from rocks, "existing channel to be kept in original position" complete as shown on drawing LS-004 detail 3, and as per specifications				
2.32	1200 mm wide	422	m2	8.50	3,587.00
	<u>02300 - Structural Excavation & Backfilling</u>				
	<u>Excavation</u>				
	Excavation in any kind of soil, rock ... etc., starting at natural ground levels and removal of surplus excavated materials from site to an approved dumping area, complete as per specifications				
2.33	Reduce level excavation, generally	1310	m3	2.50	3,275.00
		To Collection		JD	8,805.10

**BILL NO. 3
DIVISION 2
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK (CONT'D)				
	<u>02300 - Structural Excavation & Backfilling</u> Allow for collecting excavated rocks material, arranging them according to size and colour, storing them in approved area, to be used later on landscaping areas according to engineer's approval				
2.34	Collect, arrange, and store rock materials.	1	Item	1,000.00	1,000.00
	Excavation for foundations starting at reduced level, and removal of surplus excavated materials from site to an approved dumping area, complete as per specifications				
2.35	Foundation excavations	246	m3	2.50	615.00
	<u>Filling</u> Approved selected fill material to make up levels, including all necessary compaction, complete as per specifications				
2.36	To yards, sidewalks and paved areas, Imported selected hardcore and base course material, including all necessary compaction, complete as per specifications	1211	m3	6.00	7,266.00
2.37	150 mm thick, under tiles and steps	515	m3	7.00	3,605.00
		To Collection		JD	12,486.00

**BILL NO. 3
DIVISION 2
SITWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<u>02900 - Landscape Development</u>				
	<u>Planting Soil</u>				
	Mixed planting soil for planters and ground covers, from natural domestic dune, sweet sand, suitable for the production of agricultural crops, and shall have a maximum 02% total dissolved sal, and shall be free of spilled fuels, chemical contamination, stones, weeds, roots, debris, and other deleterious substances, all as described and instructed by the Engineer				
2.38	Agricultural soil material for planters and ground cover, variable thickness	100	m3	7.00	700.00
	<u>02900 - Landscape Planting</u>				
	Supply and plant, trees, shrubs, climbers, bulbs and annuals, including planting soil for all the planting areas to the levels as shown on the drawings, not less than (200)mm thick, with approved fertilizes, excavate pits and refill with planting soil after planting, and (50mm) thick washed wadi gravel over soil around trees and shrubs, galvanized stake covered with PVC coating for all trees, all as per detail and as instructed by the Engineer, (the height of the trees should be measured from the top of the planting), The contractor should irrigate all the plants up to handing over				
2.39	Tamarix Chinesis (Chinese Tamanis) 2.0-3.0m height	121	No.	40.00	4,840.00
2.4	Aloe Vera (Barbados Aloe), 0.3m height and 0.3m spread	76	No.	40.00	3,040.00
		To Collection		JD	8,580.00

**BILL NO. 3
DIVISION 2
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK (CONT'D)				
	Supply and plant, trees, shrubs, climbers, bulbs and annuals, including planting soil for all the planting areas to the levels as shown on the drawings, not less than (200)mm thick, with approved fertilizes, excavate pits and refill with planting soil after planting, and (50mm) thick washed wadi gravel over soil around trees and shrubs, galvanized stake covered with PVC coating for all trees, all as per detail and as instructed by the Engineer, (the height of the trees should be measured from the top of the planting), The contractor should irrigate all the plants up to handing over				
2.41	Retama Reatam (White Broom), 0.5 - 1.0m height	76	No.	30.00	2,280.00
2.42	Calycotome Vilosa (Caly eotome), 0.50 - 1.0m height	81	No.	20.00	1,620.00
2.43	Crataegus Aronia (Hawthorn), 1.0-2.0m	64	No.	15.00	960.00
2.44	Delonix Regia (Royal Poinciane), 3.0-	1	No.	100.00	100.00
2.45	Phoenix Dacty Li Fera (Date palm), 8.0-10.0m heigh	12	No.	75.00	900.00
2.46	Carpobrulies E Dulie (ice plant), 0.3m	70	m2	10.00	700.00
2.47	Native plants from the area	1	Item	700.00	700.00
		To Collection		JD	7,260.00

**BILL NO. 3
DIVISION 2
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK (CONT'D)				
	<u>02900 - Landscape Planting</u>				
	<u>Maintenance</u>				
	Protect, maintain and cultivate all plants and planting areas in good conditions, keep free from weeds, fertilize, irrigate and maintain lighting levels.				
2.48	Maintain all plants and planting areas in good conditions up to the end of the 12 month establishment maintenance / defects	1	Item	4,250.00	4,250.00
	<u>02784 - Stone Pavers</u>				
	Veneer stone floor tiles on and including all necessary cement and sand mortar, concrete bed under, pointing, and jointing, complete as shown on drawing and as per specifications				
2.49	To sloping, different shape	505	m2	12.75	6,438.75
	Panoramic Terrace pattern floor tiles, consisting of 300 x 300 x 30 mm thick Ajloun stone tiles, 250 x 500 x 30 mm basalt stone tiles, veneer stone different shape, on and including cement and sand mortar bed, sand fill material, cutting, fittings, trims, accessories, and grouting, complete as shown on drawings 5/DSPC.LS/008 and as per specifications				
2.50	To floor, approximate size 17000mm diameter, circular	1	No.	11,580.50	11,580.50
		To Collection		JD	22,269.25

**BILL NO. 3
DIVISION 2
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK (CONT'D)				
	<u>02784 - Stone Pavers (Contd.)</u> Pattern floor tiles consisting of 100mm thick black gravel, aluminum land scape edging, planting soil, 150 x 300 x 200 mm curbstone, 1000 mm thick planting soil, including all necessary fixings and grouting, complete as shown on drawing 4/DSPC-LS-001 and as per specifications.				
2.51	To floors, approximate size 12300 mm diameter, circular	1	No.	3,570.00	3,570.00
	Entrance pattern floor tiles, consisting of 2 x 1m on site black boulders, 150 x 150 x 20 mm basalt stone Matabah finish, rubble stone 150-200mm black stone from site, 150 x 150 x 20 mm basalt stone matabeh finish, 150 x 150 x 30 mm acid washed stone, 200 - 300 mm rubble sand stone brown colour, 300 x 300 x 100 mm acid washed Ajloun stone Matabah finish beige colour, concrete with exposed aggregate light colour, expansion joint with all associated accessories on and including cement and sand mortar bed, sand fill, cutting, fittings, trims, accessories, and grouting, complete as shown on drawings 1/DSPC-LS-001 and as per specifications				
2.52	To floors, approximate size 24000 mm diameter, circular	1	No.	25,000.00	25,000.00
		To Collection		JD	28,570.00

**BILL NO. 3
DIVISION 2
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK (CONT'D)				
	<u>02784 - Stone pavers (Contd.)</u>				
	First quality stone floor tiles on and including cement and sand mortar bed, sand fill material, cutting, fixings, and grouting, complete as shown on drawings and as per specifications (Continued)				
2.53	Floor tiles, size 300 x 300 x 30 mm Ajloun dark washed	298	m2	45.00	13,410.00
2.54	Ditto, size 300 x 300 x 20 mm, regular	395	m2	34.00	13,430.00
2.55	Ditto, size 250 x 250 x 30 mm thick basalt stone, curved on plan	88	m2	42.50	3,740.00
2.56	Ditto, 400 x 400 x 20 mm thick Matabeh finish, acid wash light colour beige	116	m2	42.50	4,930.00
2.57	Ditto, 250 x various length not less than 300 mm x 30 mm thick Matabeh finish	1012	m2	34.00	34,408.00
2.58	Ditto, random rubble stone different colors (from site)	1000	m2	12.50	12,500.00
2.59	Ditto, brown stone dressed when needed (from site)	25	m2	25.50	637.50
2.60	Floor tile, size 150 x 150 x 20 mm black basalt stone tile	50	m2	38.25	1,912.50
2.61	Ditto, Ajloun dark stone 30 mm thick	9	m2	45.00	405.00
2.62	Treads, 50 mm thick "Ajloun Type" colour beige, curved on plan	50	m2	46.75	2,337.50
2.63	Risers, 30 mm thick, ditto	18	m2	38.25	688.50
		To Collection		JD	88,399.00

**BILL NO. 3
DIVISION 2
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SITEWORK (CONT'D)				
	<u>02784 - Stone pavers (Contd.)</u>				
	First quality stone floor tiles on and including cement and sand mortar bed, sand fill material, cutting, fixings, and grouting, complete as shown on drawings and as per specifications				
2.64	Treads, 30 mm thick dark sand blasted acid	33	m ²	46.75	1,542.75
2.65	Risers, 20 mm thick, ditto	19	m ²	38.25	726.75
	Basalt curb and edge curb stone, including all necessary excavation works, concrete works and formwork, complete as shown on detail drawings and as per specifications				
2.66	Curb, size 150 x 200 x 100 mm high	37	m	12.75	471.75
2.67	Ditto, curved on plan	131	m	17.00	2,227.00
2.68	Edge curb, size 200 x 200 x 100 mm	108	m	12.75	1,377.00
2.69	Ditto, curved on plan	780	m	17.00	13,260.00
2.70	Curb, size 150 x 200 x 300 mm	117	m	15.30	1,790.10
	<u>Sundries</u>				
	Natural stone boulders "different sizes and shapes", complete as shown on drawings and as per specifications				
2.71	Laid loose over and around planting soil	1	Item	1,700.00	1,700.00
		To Collection		JD	23,095.35

BILL NO. 3
DIVISION 3 - CONCRETE

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	CONCRETE				
	<u>03100 - Concrete Formwork</u>				
	Extra Over for fairface concrete (Grade 1) finish including positioning of grooves, chamfers, "V" shapes, recesses ...etc., complete as shown on the drawings and as specifications				
3.1	To walls	363	m2	6.00	2,178.00
3.2	To ceilings	264	m2	6.00	1,584.00
3.2a	ordinary form	5198	m2	6.00	31,188.00
	Extra over for "trowelled smooth" concrete finish complete as shown on drawing and as per specifications				
3.3	To floors	264	m2	3.40	897.60
	Extra over for broom concrete finish complete as shown on drawings and as per specifications				
3.4	To ramps	10	m2	1.70	17.00
	<u>03200 - Concrete Reinforcement</u>				
	Deformed high yield steel bar reinforcement of characteristic strength FY=420 N/mm2, including bending, hooks, tying wires, distance blocks and spacers, complete as per specifications				
3.5	Various diameters	101.16	ton	400.00	40,464.00
		To Collection		JD	76,328.60

BILL NO. 3

**DIVISION 3
CONCRETE**

Item	Description	Quantity	Unit	Rate JD/Fils	Amount JD/Fils
	CONCRETE (CONT'D)				
	<u>03200 - Concrete Reinforcement (Contd.)</u>				
	Deformed mild steel bar reinforcement of characteristic strength FY=275 N/mm2 including bending, hooks, tying wires, distance blocks and spacers, complete as per specifications				
3.6	Various diameters	17.85	ton	400.00	7,140.00
	<u>03251 - Expansion and Construction Joint filler, complete as shown on drawings and as per specifications</u>				
3.7	Laid vertically, 30 mm thick	3	m2	5.95	17.85
	<u>WATER STOPS</u>				
	Approved flat dumbbell water stop, type 250FD complete as per specifications				
3.8	230 mm wide, to water tank	52	m	8.50	442.00
	<u>03300 - Cast-In-Place Concrete</u>				
	<u>03370 - Concrete Curing</u>				
	Plain concrete "C15", 15 N/mm2 at 28 day compressive strength with ordinary Portland cement complete as per specifications				
3.9	50 mm thick blinding	150	m3	45.00	6,750.00
3.10	100 mm thick blinding	56	m3	45.00	2,520.00
		To Collection		JD	16,869.85

**Bill NO. 3
DIVISION 3
CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	CONCRETE (CONT'D)				
	<u>03300 - Cast-In-Place Concrete (Contd.)</u>				
	<u>03370 - Concrete Curing (Contd.)</u>				
	Plain concrete (C 18), 18 N/mm2 at 28 day compressive strength with ordinary Portland cement complete as per specifications.				
3.11	Rubble concrete, 70% plain concrete and 30% rubble	2	m3	45.00	90.00
	Reinforced "watertight" concrete (C30), 30 N/mm2 at 28 days compressive strength with ordinary Portland cement and additive materials and special ties complete as shown on drawings and as per specifications				
3.12	Beds, to water tank	51	m3	63.00	3,213.00
3.13	Walls, various thickness, to water tank	43	m3	63.00	2,709.00
3.14	Suspended solid slab, 250 mm thick, to water	23	m3	63.00	1,449.00
	Reinforced concrete "C30", 30 N/mm2 at 28 days compressive strength with ordinary Portland cement complete as per specifications				
3.15	Strip foundations	125	m3	63.00	7,875.00
3.16	Ditto, curved on plan	20	m3	63.00	1,260.00
3.17	Equipment pads	6	m3	63.00	378.00
3.18	Column bases	16	m3	65.50	1,048.00
3.19	ground beams	13	m3	65.50	851.50
		To Collection		JD	18,873.50

**Bill NO. 3
DIVISION 3
CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	CONCRETE (CONT'D)				
	<u>03300 - Cast-In-Place Concrete (Contd.)</u>				
	<u>03370 - Concrete Curing (Contd.)</u>				
	Reinforced concrete "C30", 30 N/mm² at 28 days compressive strength with ordinary Portland cement complete as per specifications (Cont'd)				
3.20	Slab on grade, 100 mm thick	326	m3	63.00	20,538.00
3.21	Ditto, sloping	17	m3	63.00	1,071.00
3.22	Slab on grade, 150mm thick	18	m3	63.00	1,134.00
3.23	Steps	8	m3	63.00	504.00
3.24	Ditto, curved on Plan	37	m3	63.00	2,331.00
3.25	Columns	2	m3	65.50	131.00
3.26	Ditto, circular	6	m3	65.50	393.00
3.27	Walls, various thickness	182	m3	63.00	11,466.00
3.28	Ditto, Curved on Plan	53	m3	63.00	3,339.00
3.29	Arch Beams	21	m3	65.50	1,375.50
3.30	Drop Beams	3	m3	65.50	196.50
		To Collection		JD	42,479.00

**Bill NO. 3
DIVISION 3
CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	CONCRETE (CONT'D)				
	<u>03300 - Cast-In-Place Concrete (Contd.)</u>				
	<u>03370 - Concrete Curing (Contd.)</u>				
	Reinforced concrete "C30", 30 N/mm² at 28 days compressive strength with ordinary Portland cement complete as per specifications (cont'd)				
3.31	Suspended solid slab, 120mm thick	31	m3	63.00	1,953.00
3.32	Ditto, 250mm thick, slopping	57	m3	63.00	3,591.00
3.33	Upstand beams	23	m3	65.50	1,506.50
3.34	Upstand seat, curved on plan	2	m3	63.00	126.00
	<u>03346 - Concrete Floor Finishing</u>				
	Special steel trowelled finish concrete screed complete as shown on drawings and as per specifications				
3.35	To floors	70	m2	3.40	238.00
3.36	To walls	114	m2	3.40	387.60
3.37	To soffits	70	m2	3.40	238.00
		To Collection		JD	8,040.10

BILL NO. 3
DIVISION NO. 4 - MASONRY

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	MASONRY				
	04100 - MORTAR				
	04200 - CONCRETE MASONRY UNIT				
	Hollow concrete blockwork in cement and sand mortar (1:4) including all cutting, bonding, control and expansion joint, bond beams and lintels complete as shown on drawings and as per specifications				
4.1	100mm thick protection wall	380	m2	6.00	2,280.00
4.2	Ditto, curved on plan	56	m2	8.50	476.00
	<u>04450 - NATURAL STONE WORK</u>				
	First quality "Ajloun type" finish as shown on drawings , stone wall including cement and sand mortar bed and concrete backing, including special stones, heads, jambs, sills, arches, fins, external and internal angles, grooves, 4mm diameter galvanized steel anchors, cutting, pointing, fixings, fittings, accessories, mechanical fixings where required, stainless steel pins and galvanized steel wire mesh complete as shown on drawings and as per specifications (reinforced concrete works measured elsewhere)				
4.3	To Walls, 250mm course height x 50mm	12	m2	52.00	624.00
4.4	Ditto, curved on plan	7	m2	60.00	420.00
4.5	To Walls, 250mm course high x 30mm	253	m2	48.00	12,144.00
4.6	Ditto, curved on plan	206	m2	52.00	10,712.00
		To Collection		JD	26,656.00

**BILL NO. 3
DIVISION 4
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	MASONRY				
	<u>04450 - NATURAL STONE</u>				
	First quality (natural stone from site (to be selected under the Engineer supervision) stone wall cladding including cement and sand mortar bed and backing, all necessary fixings for special stones, heads, jambs, sills, arches, external and internal angles, fixings for grooves, all necessary wire ties, wire mesh and all fixings, fittings, accessories and pointing complete as shown on drawings and as per specifications				
4.7	Stone cladding to walls, 50 mm thick	181	m2	52.00	9,412.00
4.8	Ditto, curved on plan	40	m2	60.00	2,400.00
4.9	Ditto, generator, transformer, pumping room and water tanks, walls	75	m2	52.00	3,900.00
	First quality (Ajloun type) stone coping including cement and sand mortar bed, fixings fittings, grooves, complete as shown on drawings and as per specifications				
4.10	Coping, 100mm thick	67	m2	68.00	4,556.00
4.11	Ditto, curved on plan	83	m2	77.00	6,391.00
		To Collection		JD	26,659.00

BILL NO. 3
DIVISION NO. 5 - METALS

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	METALS				
	05500 - MISCELLANEOUS METALS				
	Water tank steel ladder including all necessary fixings, fittings, accessories and decoration complete as shown on drawings and as per specifications				
5.1	Ladders, 2500 mm high	2	No.	212.50	425.00
	Galvanized sheet checkered plate cover grating including all necessary fixings, fittings, accessories and decoration complete as shown on drawings and as per specifications				
5.2	Steel cover, size 800 x 800mm, to water	2	No.	68.00	136.00
	Rain water trench cover including frames grating covers, earth works, concrete works, reinforcement steel bar, finishes, fixings, fittings, accessories, discharge reinforced concrete pipe and benching complete as shown on drawings and as per specifications				
5.3	Rain water grating, overall size 1100 mm wide x 1800mm high	44	m	102.00	4488.00
		To Collection		JD	5049.00

BILL NO. 3
DIVISION NO. 7 - THERMAL AND MOISTURE PROTECTION

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p style="text-align: center;">THERMAL AND MOISTURE PROTECTION</p> <p><u>07111 - Bituminous Membrane Waterproofing for Under Ground</u></p> <p>Approved water proof, cold applied, 1 mm thick, complete as shown on drawings and as per specifications</p>				
7.1	Horizontally	383	m2	5.10	1953.30
7.2	Vertically	408	m2	6.00	2448.00
	<p>Polyethylene water proofing sheet including all necessary fixings, fittings, complete as shown on drawings and as per specifications</p>				
7.3	Under Slab on Grade, 1000 gauge	241	m2	2.50	602.50
	<p><u>07900 - Sealants</u></p> <p>Mastic sealant including making grooves and prepare surface to receive sealant complete as shown on drawings and as per specifications</p>				
7.4	Mastic sealant	17	m	8.50	144.50
		To Summary		JD	5148.30

BILL NO. 3
DIVISION NO. 8 - DOORS AND WINDOWS

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	DOORS AND WINDOWS				
	<u>08110 - STEEL DOORS</u>				
	<u>08111 - STANDARD STEEL FRAMES</u>				
	Louvered steel doors and windows, comprising 45mm "U" shape steel frames welded with sub frame, 45 x 150 mm steel tube, 20 x 2 mm steel closure, 25mm "U" shape steel channel welded with 50mm "U" shape steel channel all around, 2mm louver, steel plate, 2mm steel louver, including all necessary fly screen, fixings, fittings, accessories, mastic, hardware and decorations, complete as shown on drawings and as per specifications				
8.1	Type SD05, leaf size 1000 x 2000 mm	1	No.	255.00	255.00
8.2	Type SD06, leaf size 2000 x 2000 mm	3	No.	510.00	1,530.00
8.3	Type SD07, leaf size 3000 x 3000 mm	1	No.	820.00	820.00
8.4	Type SD08, leaf size 6060 x 2000 mm	1	No.	1,530.00	1,530.00
	Louvered steel screen and frames, comprising 3mm steel plate welded with steel tube, 30 x 30mm steel tube, 20 x 30mm U-section, including all necessary fixings, fittings, accessories, decoration, fly screen and hardware, complete as shown on drawings and as per specifications.				
8.5	Louvered steel , ref. SW3, size 165.50 x 2000mm high	1	No.	375.00	375.00
		To Summary		JD	4,255.00

BILL NO. 3
DIVISION NO. 10 - SPECIALTIES

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	SPECIALTIES				
	Structural wool tent, consisting of wool tent cover, tension steel pipes, metal cables, 2 Nos. steel angles welded 50 x 50 x 5 mm clad with hard wood, including all necessary concrete supports, posts, fixings, fittings, accessories, and decoration, complete as shown on drawings and as per specifications				
10.1	Wool light brown tent, overall size 6000 x 5000 x 2100 mm high	8	No.	3,825.00	30,600.00
		To Summary		JD	30,600.00

DEAD SEA PANORAMIC SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III
BILL NO. 4 MECHANICAL WORKS

PRICED COPY

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 15 Mechanical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-15	Mechanical Works				
15.1	S&I Vitreous China concealed type EWC.	No.	13	400.00	5,200.00
15.2	S&I Vitreous China EWC for disabled.	No.	1	650.00	650.00
15.3	S&I Vitreous China urinals with auto flushing tank.	No.	5	90.00	450.00
15.4	S&I Vitreous China counter top wash	No.	13	250.00	3,250.00
15.5	S&I Vitreous China washbasin for	No.	1	300.00	300.00
15.6	S&I Stainless steel kitchen sink				
	a. Single bowl.	No.	2	210.00	420.00
	b. Double bowl.	No.	1	320.00	320.00
15.7	S&I UPVC drainage and vent pipes class (10 bar).				
	a. 50 mm diameter.	M.R	200	5.60	1,120.00
	b. 82.4 mm diameter.	M.R	60	9.00	540.00
	c. 110 mm diameter.	M.R	120	12.00	1,440.00
	d. 160 mm diameter.	M.R	225	16.00	3,600.00
15.8	S&I UPVC floor drain with strainer and UPVC cover.				
	a. 82.4 mm diameter outlet.	No.	4	15.00	60.00
	b. 110 mm diameter outlet.	No.	10	15.00	150.00
15.9	S&I Wall type clean out complete with stainless steel cover.				
	a. 50 mm diameter.	No.	1	18.50	18.50
	b. 110 mm diameter.	No.	5	25.00	125.00
Total Carried Collection					17,643.50

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 15 Mechanical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.10	S&I Floor type clean out.				
a.	110 mm diameter.	No.	1	30.00	30.00
15.11	S&I Under vanity clean out				
a.	50 mm diameter.	No.	4	20.00	80.00
15.12	S&I Grate and sump for the kitchen with stainless steel grate.				
a.	Size 2000x200x150.	No.	1	120.00	120.00
15.13	S&I Sewage manholes.				
a.	Depth less than or equal to 1.0m.	No.	8	150.00	1,200.00
b.	Depth from 1.0 to less than or equal	No.	2	210.00	420.00
c.	Depth greater than 1.5m to less than or				
	equal 2.0m.	No.	4	230.00	920.00
d.	Depth of greater than 2.0m.	No.	1	260.00	260.00
15.14	S&I Water distribution box.				
a.	WDB1.	No.	1	150.00	150.00
b.	WDB2.	No.	1	180.00	180.00
c.	WDB3.	No.	1	250.00	250.00
d.	WDB4.	No.	1	250.00	250.00
e.	WDB5.	No.	1	250.00	250.00
f.	WDB6.	No.	1	120.00	120.00
g.	WDB7.	No.	1	250.00	250.00
15.15	S&I XLPE domestic water pipes.				
a.	16 mm diameter.	No.	250	1.50	375.00
b.	20 mm diameter.	No.	120	2.50	300.00
15.16	S&I Closed type electric hot water heater.				
a.	EHW1.	No.	2	200.00	400.00
b.	EHW2.	No.	3	250.00	750.00
c.	EHW3.	No.	1	360.00	360.00
Total Carried to Collection					6,665.00

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 15 Mechanical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.17	S&I HDPE domestic water pipes class (16				
a.	90 mm diameter.	M.R	35	35.00	1,225.00
b.	75 mm diameter.	M.R	20	28.00	560.00
c.	63 mm diameter.	M.R	230	18.00	4,140.00
d.	50 mm diameter.	M.R	15	15.00	225.00
e.	40 mm diameter.	M.R	70	12.00	840.00
f.	32 mm diameter.	M.R	25	10.00	250.00
g.	25 mm diameter.	M.R	15	8.75	131.25
h.	20 mm diameter.	M.R	10	6.50	65.00
i.	16 mm diameter.	M.R	10	4.50	45.00
j.	12 mm diameter.	M.R	30	3.50	105.00
15.18	S&I Galvanized steel pipes (Class B).				
a.	65 mm diameter.	M.R	20	27.00	540.00
b.	80 mm diameter.	M.R	30	35.00	1,050.00
15.19	S&I Galvanized steel collectors for domestic water pumps.				
a.	100x1200 mm diameter.	No.	2	250.00	500.00
15.20	S&I				
a.	32 mm diameter with valve chamber.	No.	1	180.00	180.00
b.	50 mm diameter with valve chamber.	No.	1	220.00	220.00
c.	65 mm diameter.	No.	1	220.00	220.00
d.	80 mm diameter.	No.	1	300.00	300.00
e.	80 mm diameter with valve chamber.	No.	1	320.00	320.00
15.21	S&I variable speed water pump assembly consisting of two pumps complete with Gate, check valves, flexible connections, gauges and control panel.				
a.	WP1.	Set	1	12,000.00	12,000.00
15.22	S&I Diaphragm type pressure vessel.				
a.	750 LTS.	No.	1	750.00	750.00
15.23	S&I Grate and sump for pump room.				
a.	Size 2000x300x400.	No.	1	120.00	120.00
Total Carried to Collection					23,786.25

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 15 Mechanical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.24	S&I Schedule 40 seamless black steel pipes for fire protection network.				
a.	150 diameter.	M.R	70	84.00	5,880.00
b.	50 diameter.	M.R	20	25.00	500.00
c.	40 diameter.	M.R	280	19.00	5,320.00
d.	32 diameter.	M.R	40	15.00	600.00
15.25	S&I Galvanized steel Class B vent pipe for water tanks complete with insect	No.	2	150.00	300.00
15.26	S&I Fire pump set UL listed FM approved consisting of:				
a.	FP1.				
b.	FP2.				
c.	FP3.				
	Complete with all O.S & Y valves, check valves & anti vortex plates.	No.	1	20,000.00	20,000.00
15.27	S&I Butterfly valve (PN 16) for test line.	No.	2	350.00	700.00
15.28	S&I Approved type water meter for testing of fire protection pumps.	No.	1	200.00	200.00
15.29	S&I All pipes penetrating water and fire protection tanks complete with paddle flange.	L.S.	1	400.00	400.00
15.30	S&I Pillar type fire hydrant with hose and hose cabinet.	No.	1	900.00	900.00
15.31	S&I Fire hose reel cabinet with 6 kg fire extinguisher.	No.	6	180.00	1,080.00
15.32	S&I 4-way anodized aluminum ceiling supply diffuser.				
a.	SD-1.	No.	2	35.00	70.00
b.	SD-2.	No.	2	42.00	84.00
c.	SD-3.	No.	2	55.00	110.00
Total Carried to Collection					36,144.00

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 15 Mechanical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.33	S&I Anodized aluminum supply linear slot diffuser.				
a.	LSD-1.	M.R	50	55.00	2,750.00
b.	LSD-2.	M.R	30	42.00	1,260.00
c.	LSD-3.	M.R	121	55.00	6,655.00
d.	LSD-4.	M.R	4	55.00	220.00
e.	LSD-5.	M.R	3	42.00	126.00
f.	LSD-6.	M.R	72	55.00	3,960.00
15.34	S&I Anodized aluminum ceiling return				
a.	RG-1.	No.	1	20.00	20.00
15.35	S&I Anodized aluminum return linear slot diffuser.				
a.	RLSD-1.	M.R	50	45.00	2,250.00
b.	RLSD-2.	M.R	30	30.00	900.00
c.	RLSD-3.	M.R	121	45.00	5,445.00
d.	RLSD-4.	M.R	4	45.00	180.00
e.	RLSD-5.	M.R	3	30.00	90.00
f.	RLSD-6.	M.R	72	45.00	3,240.00
15.36	S&I Anodized aluminum ceiling exhaust				
a.	EG-1.	No.	11	15.00	165.00
b.	EG-2.	No.	5	25.00	125.00
c.	EG-3.	No.	1	30.00	30.00
d.	EG-4.	No.	1	32.00	32.00
e.	EG-5.	No.	2	35.00	70.00
f.	EG-6.	No.	2	40.00	80.00
g.	EG-7.	No.	1	45.00	45.00
h.	EG-8.	No.	1	55.00	55.00
i.	EG-9.	No.	2	60.00	120.00
j.	EG-10.	No.	2	80.00	160.00
15.37	S&I Anodized aluminum fresh air louvers with sand trap and insect screen.				
a.	FLA-1.	No.	2	180.00	360.00
b.	FLA-2.	No.	1	250.00	250.00
c.	FLA-3.	No.	1	375.00	375.00
d.	FLA-4.	No.	2	250.00	500.00
e.	FLA-5.	No.	2	175.00	350.00
Total Carried to Collection					29,813.00

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 15 Mechanical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.38	S&I In line duct mounted extract fans.				
a.	EXF1.	No.	1	250.00	250.00
b.	EXF2.	No.	1	420.00	420.00
c.	EXF3.	No.	1	420.00	420.00
d.	EXF4.	No.	1	250.00	250.00
e.	EXF5.	No.	1	320.00	320.00
f.	EXF6.	No.	1	250.00	250.00
g.	EXF7.	No.	1	345.00	345.00
h.	EXF8.	No.	1	250.00	250.00
i.	EXF9.	No.	2	420.00	840.00
i.	EXF10.	No.	2	560.00	1,120.00
k.	EXF11.	No.	2	470.00	940.00
15.39	S&I In line duct mounted fresh air fans.				
a.	FAF1.	No.	1	450.00	450.00
b.	FAF2.	No.	1	450.00	450.00
15.40	S&I Package-heat pump units.				
a.	PAC-1.	No.	2	8,200.00	16,400.00
b.	PAC-2.	No.	2	10,500.00	21,000.00
c.	PAC-3.	No.	2	9,600.00	19,200.00
15.41	S&I Split-heat pump units.				
a.	HP1.	No.	1	1,200.00	1,200.00
b.	HP2.	No.	1	1,600.00	1,600.00
c.	HP3.	No.	1	1,600.00	1,600.00
d.	HP4.	No.	1	1,600.00	1,600.00
e.	HP5.	No.	4	2,200.00	8,800.00
f.	HP6.	No.	1	1,750.00	1,750.00
g.	HP7.	No.	1	1,260.00	1,260.00
h.	HP8.	No.	1	1,260.00	1,260.00
i.	HP9.	No.	3	1,320.00	3,960.00
j.	HP10.	No.	4	1,450.00	5,800.00
k.	HP11.	No.	1	1,300.00	1,300.00
l.	HP12.	No.	1	1,260.00	1,260.00
m.	HP13.	No.	1	1,450.00	1,450.00
n.	HP14.	No.	1	1,300.00	1,300.00
Total Carried to Collection					97,045.00

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 15 Mechanical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.42	S&I Galvanized steel HVAC duct work.	M2	580	3.25	1,885.00
15.43	S&I Thermal insulation for HVAC duct	M2	550	1.50	825.00
15.44	S&I LPG gas bottles, 50 kg each.	No.	4	28.00	112.00
15.45	S&I LPG gas manifold with all valves pressure reducing valves, safety and alarm provision.	No.	1	1,500.00	1,500.00
15.46	S&I Factory insulated copper pipes Table- K for LPG network (PN16).				
a.	50 mm diameter.	M.R	60	50.00	3,000.00
b.	38 mm diameter.	M.R	10	40.00	400.00
c.	22 mm diameter.	M.R	15	30.00	450.00
d.	15 mm diameter.	M.R	10	20.00	200.00
15.47	S&I Sewage treatment plant	LS	1	65,000.00	65,000.00
Total Carried to Collection					73,372.00

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX**

DIVISION 15.00

Description	Amount J.D.
<u>COLLECTION</u>	
Mechanical Works	
Page (D15/1)	17,643.50
Page (D15/2)	6,665.00
Page (D15/3)	23,786.25
Page (D15/4)	36,144.00
Page (D15/5)	29,813.00
Page (D15/6)	97,045.00
Page (D15/7)	73,372.00
TOTAL Carried to General Summary	284,468.75

DEAD SEA PANORAMIC SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III
BILL NO. 5 ELECTRICAL WORKS

PRICED COPY

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-16	Electrical Works				
16.1	S&I The following main distribution				
a.	MDB.	No.	1	2,085.00	2,085.00
b.	EMDB.	No.	1	1,670.00	1,670.00
16.2	S&I The following submain distribution				
a.	ESMDB-A.	No.	1	2,085.00	2,085.00
b.	SMDB-B.	No.	1	1,250.00	1,250.00
c.	ESMDB-B.	No.	1	920.00	920.00
16.3	S&I The following motor control centers:				
a.	MCC1.	No.	1	920.00	920.00
b.	MCC2.	No.	1	1,670.00	1,670.00
c.	MCC3.	No.	1	1,670.00	1,670.00
16.4	S&I The following distribution boards:				
a.	DB-EXT.	No.	1	625.00	625.00
b.	DB-LB.	No.	1	600.00	600.00
c.	Dimmer panel.	No.	1	5,840.00	5,840.00
d.	DB-LC.	No.	1	600.00	600.00
e.	DB-LA.	No.	1	500.00	500.00
f.	DBA.	No.	1	390.00	390.00
g.	DBM.	No.	1	500.00	500.00
h.	DB-KIT.	No.	1	585.00	585.00
i.	DB-BASE.	No.	1	500.00	500.00
j.	DB-LD.	No.	1	475.00	475.00
k.	DB-GEN.	No.	1	250.00	250.00
16.5	S&I Earthing system for the following:				
a.	MDB.	L.S.	L.S.	170.00	170.00
b.	EMDB.	L.S.	L.S.	170.00	170.00
c.	ESMDB-A.	L.S.	L.S.	85.00	85.00
d.	SMDB-B.	L.S.	L.S.	85.00	85.00
e.	ESMDB-B.	L.S.	L.S.	85.00	85.00
f.	Earthing system for Generator.	L.S.	L.S.	170.00	170.00
Total Carried to Collection					23,900.00

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
16.6	S&I Internal lighting point.	No.	711	14.93	10,615.23
16.7	S&I The following lighting fittings:				
a.	M1.	No.	13	170.00	2,210.00
b.	M2.	No.	4	125.00	500.00
c.	M3.	No.	2	125.00	250.00
d.	S1.	No.	31	170.00	5,270.00
e.	S2.	No.	4	125.00	500.00
f.	S3.	No.	42	225.00	9,450.00
g.	S4.	No.	2	585.00	1,170.00
h.	S5.	No.	4	750.00	3,000.00
i.	P1.	No.	11	85.00	935.00
j.	H1.	No.	9	170.00	1,530.00
k.	H2.	No.	4	335.00	1,340.00
l.	H3.	No.	2	45.00	90.00
m.	H4.	No.	68	275.00	18,700.00
n.	H5.	No.	15	25.00	375.00
o.	H6.	No.	48	60.00	2,880.00
p.	H7.	No.	18	85.00	1,530.00
q.	H8.	No.	8	85.00	680.00
r.	H9.	No.	13	170.00	2,210.00
s.	F1.	No.	39	85.00	3,315.00
t.	F2.	No.	24	75.00	1,800.00
u.	F3.	No.	77	95.00	7,315.00
v.	F4.	No.	1	40.00	40.00
w.	F5.	No.	18	45.00	810.00
x.	F6.	No.	27	20.00	540.00
y.	F7.	No.	2	25.00	50.00
z.	F8.	No.	22	40.00	880.00
aa.	F9.	No.	14	30.00	420.00
ab.	F10.	No.	4	250.00	1,000.00
ac.	F11.	No.	352	18.00	6,336.00
ad.	F12.	No.	4	14.00	56.00
ae.	F13.	No.	8	125.00	1,000.00
af.	F14.	No.	29	140.00	4,060.00
ag.	150w metal halide fibre optic generator with color wheel.	Set	2	1,250.00	2,500.00
ah.	E1.	No.	20	85.00	1,700.00
ai.	E2.	No.	3	85.00	255.00
aj.	E3.	No.	18	125.00	2,250.00
ak.	I1.	No.	62	13.00	806.00
al.	I2.	No.	2	13.00	26.00
am.	I3.	No.	7	13.00	91.00
Total Carried to Collection					98,485.23

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
16.8	S&I The following power point:				
a.	13A, 3 pin switched socket outlet.	No.	49	13.00	637.00
b.	Ditto. but water proof.	No.	2	20.00	40.00
c.	13A switched duplex socket outlet.	No.	17	16.00	272.00
d.	3 phase, 5 pin industrial socket outlet 32A with plug IP54.	No.	3	85.00	255.00
e.	Three phase isolating switch 30A, IP	No.	1	87.50	87.50
f.	Water heater feeding point.	No.	4	18.00	72.00
g.	3 phase exhaust fan power point.	No.	10	30.00	300.00
h.	Hand dryer, price include the point and the dryer.	No.	5	167.00	835.00
i.	13A, 3 pin switched socket outlet with RCD protection 30mA trip.	No.	20	50.00	1,000.00
					-
16.9	S&I The following power point for A/C				-
					-
a.	Set of HPO1 and HPI1.	Set	1	110.00	110.00
b.	Set of HPO2 and HPI2.	Set	1	110.00	110.00
c.	Set of HPO3 and HPI3.	Set	1	110.00	110.00
d.	Set of HPO4 and HPI4.	Set	1	110.00	110.00
e.	Set of HPO5 and HPI5.	Set	4	150.00	600.00
f.	Set of HPO6 and HPI6.	Set	1	110.00	110.00
g.	Set of HPO7 and HPI7.	Set	1	110.00	110.00
h.	Set of HPO8 and HPI8.	Set	1	110.00	110.00
i.	Set of HPO9 and HPI9.	Set	1	110.00	110.00
j.	Set of HPO10 and HPI10.	Set	5	110.00	550.00
k.	Set of HPO11 and HPI11.	Set	1	110.00	110.00
l.	Set of HPO12 and HPI12.	Set	1	110.00	110.00
m.	Set of HPO13 and HPI13.	Set	1	110.00	110.00
n.	Set of HPO14 and HPI14.	Set	1	110.00	110.00
o.	PAC1.	No.	2	165.00	330.00
p.	PAC2.	No.	1	290.00	290.00
q.	PAC3.	No.	2	210.00	420.00
r.	Water pump feeding point.	No.	2	38.00	76.00
s.	Fire jockey pump feeding point.	No.	1	38.00	38.00
t.	Main fire pump feeding point.	No.	1	45.00	45.00
u.	Diesel fire pump feeding point.	No.	1	25.00	25.00
16.10	S&I The following cables:				
a.	4x70 + 1x35 mm ² CU/PVC/SWA/PVC cable.	L.M	780	20.00	15,600.00
Total Carried to Collection					22,792.50

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
b.	4x35 + 1x16 mm ² CU/PVC/SWA/PVC cable.	L.M	90	11.00	990.00
c.	4x240 mm ² CU/PVC/SWA/PVC	L.M	40	30.00	1,200.00
d.	4x240 + 1x120 mm ² CU/PVC/SWA/PVC cable.	L.M	20	38.00	760.00
e.	3x10 mm ² for external lighting CU/PVC/SWA/PVC cable.	L.M	2135	5.00	10,675.00
f.	3x16 mm ² for external lighting CU/PVC/SWA/PVC cable.	L.M	940	7.00	6,580.00
16.11	S&I				
a.	250kVA prime generator set.	Set	1	18,400.00	18,400.00
b.	Automatic transfer switch 4 pole	No.	1	2,920.00	2,920.00
16.12	S&I				
	Fire alarm point.	No.	75	10.00	750.00
16.13	S&I				
	The following addressable fire alarm system:				
a.	2 Loop control panel.	No.	1	2,335.00	2,335.00
b.	Smoke detector.	No.	45	30.00	1,350.00
c.	Heat detector.	No.	5	30.00	150.00
d.	Photooptical detector.	No.	3	37.00	111.00
e.	Manual call point.	No.	8	30.00	240.00
f.	Alarm sounder with strobe.	No.	8	21.00	168.00
g.	Control module.	No.	3	17.00	51.00
h.	Safety valve (gas room).	No.	1	42.00	42.00
i.	Monitor module.	No.	1	17.00	17.00
j.	Explosion proof smoke detector.	No.	1	135.00	135.00
16.14	S&I				
a.	10/30 PABX.	No.	1	3,750.00	3,750.00
b.	Main telephone box 10p.	No.	1	67.00	67.00
c.	Telephone outlet.	No.	18	13.00	234.00
d.	10 pair telephone cabinet.	No.	1	67.00	67.00
e.	10 pair telephone cable.	L.M	50	1.50	75.00
Total Carried to Collection					51,067.00

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
16.15	S&I				
a.	Security panel (2 zones).	Set	1	1,670.00	1,670.00
b.	Infra red motion detector.	No.	9	85.00	765.00
c.	Key pad.	No.	1	125.00	125.00
d.	External sounder.	No.	1	50.00	50.00
16.16	S&I Sound System Rack (SSRM)				
a.	Amplifier 200w.	No.	2	710.00	1,420.00
b.	AM/FM tuner.	No.	1	350.00	350.00
c.	Double deck cassette player.	No.	1	290.00	290.00
d.	CD player (1 rack).	No.	1	250.00	250.00
e.	Paging desk with mic.	No.	1	110.00	110.00
f.	Ceiling loud speaker 6/15w.	No.	41	25.00	1,025.00
g.	Rack cabinet with glass door and fan.	No.	1	915.00	915.00
h.	Speaker point.	No.	41	10.00	410.00
i.	Wiring and conduits for SSRM.	L.S.	L.S.	840.00	840.00
16.17	S&I Sound System Rack (SSRR)				
a.	Amplifier 200w.	No.	1	710.00	710.00
b.	Amplifier 60w.	No.	2	510.00	1,020.00
c.	AM/FM tuner.	No.	1	350.00	350.00
d.	Double deck cassette player.	No.	1	290.00	290.00
e.	CD player (1 rack).	No.	1	250.00	250.00
f.	Paging desk with mic.	No.	1	110.00	110.00
g.	Ceiling loud speaker 6/15w.	No.	8	25.00	200.00
h.	Compact type loudspeaker.	No.	4	115.00	460.00
i.	Projector type loudspeaker.	No.	4	85.00	340.00
j.	Speaker point.	No.	16	10.00	160.00
k.	Wiring and conduits for SSRR.	L.S.	L.S.	835.00	835.00
16.18	S&I Audio-Video System				
a.	LCD projector.	No.	1	5,500.00	5,500.00
b.	8x1A/V switcher.	No.	1	1,415.00	1,415.00
c.	Motorized screen.	No.	1	1,840.00	1,840.00
d.	Scan convertor.	No.	1	3,420.00	3,420.00
e.	Video distribution amplifier.	No.	1	420.00	420.00
f.	Audio distribution amplifier.	No.	1	420.00	420.00
g.	Video patch panel.	No.	1	420.00	420.00
h.	Audio patch panel.	No.	1	420.00	420.00
i.	S-VHS video recorder.	No.	2	490.00	980.00
j.	Digital video scaler.	No.	1	500.00	500.00
Total Carried to Collection					28,280.00

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Dead Sea Panoramic Complex

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
k.	Double deck cassette player.	No.	1	290.00	290.00
l.	CD player (5 rack).	No.	1	525.00	525.00
m.	8 channel auto mixer.	No.	1	580.00	580.00
n.	AM/FM tuner.	No.	1	350.00	350.00
o.	Mixer.	No.	1	330.00	330.00
p.	Equalizer.	No.	1	330.00	330.00
q.	120/180w 100v amplifier.	No.	1	500.00	500.00
r.	Volume control 100w.	No.	1	60.00	60.00
s.	6w ceiling speaker.	No.	1	25.00	25.00
t.	15w column speaker.	No.	4	115.00	460.00
u.	Wireless audience mic.	No.	2	585.00	1,170.00
v.	Wireless lavalier mic.	No.	1	385.00	385.00
w.	Goose neck chairman's mic.	No.	1	235.00	235.00
x.	Goose neck participants mic.	No.	3	225.00	675.00
y.	Camera outlet including cables and conduits.	No.	2	20.00	40.00
z.	TV outlet including cables and	No.	1	20.00	20.00
aa.	Wiring and conduits for the audio-video system.	L.S.	L.S.	835.00	835.00
ab.	Speaker point.	No.	5	10.00	50.00
16.19	S&I Infra red simultaneous translation				
a.	IR transmitter.	No.	1	4,585.00	4,585.00
b.	IR receiver.	No.	50	200.00	10,000.00
c.	Headphones.	No.	50	25.00	1,250.00
d.	Radiators 6w each.	No.	4	1,170.00	4,680.00
e.	Multi-channel interpreter's board.	No.	4	1,415.00	5,660.00
f.	Interpreter headphone with mic.	No.	4	75.00	300.00
g.	Battery charger case (for 50 receiver).	No.	1	1,885.00	1,885.00
h.	Wiring, cables, conduits, boxes of the infra red simultaneous translation	L.S.	L.S.	835.00	835.00
16.20	S&I Empty conduits and pull boxes with pull wires for master central antenna and satellite system.	L.S.	L.S.	415.00	415.00
16.21	S&I Suspended single phase spot track (3 kw load).	L.M	96	30.00	2,880.00
16.22	Costs and fees of power supply work by Electric company(provisinal sum)	LS	1	69,200.00	69,200.00
Total Carried to Collection					108,550.00

**THE TOURISM SECTOR DEVELOPMENT PROJECT
DEAD SEA PANORAMIC COMPLEX**

DIVISION 16.00

Description	Amount J.D.
<u>COLLECTION</u>	
Electrical Works	
Page (D16/1)	23,900.00
Page (D16/2)	98,485.23
Page (D16/3)	22,792.50
Page (D16/4)	51,067.00
Page (D16/5)	28,280.00
Page (D16/6)	108,550.00
TOTAL Carried to General Summary	333,074.73

VOLUME III

PART: 2

DAYWORK RATE

Item	Description of Work
	<p><u>GENERAL</u></p> <p>The Engineer, if in his opinion it is necessary or desirable, issue an instruction that any varied work shall be executed on daywork bases. The Contractor shall then be paid for such work under the terms set out in the daywork schedule included in the Contract and at the rates and price affixed thereto by him in the Tender.</p> <p>The Contractor shall furnish to the Engineer such receipts or other vouchers as may be necessary to prove the amounts paid and, before materials, shall submit to the Engineer quotations for the same for the Engineer's approval.</p> <p>In respect of such of the Works executed on a daywork basis, the Contractor shall, during continuance of such work, deliver each day to the Engineer an exact list in duplicate of the names, occupation and time of all workmen employed on such work and a statement, also in duplicate, showing the description and quantity of all materials and Contractor's Equipment used thereon or therefore than Contractor's Equipment which is included in the percentage addition in accordance with such daywork schedule. One copy of each list and statement will, if correct, or when agreed, be signed by the Engineer and return to the Contractor.</p> <p>At the end of each month the Contractor shall deliver to the Engineer a priced statement of the labor, materials and Contractor's Equipment, except as aforesaid, used and the Contractor shall not be entitled to any payment unless such list and statements have been fully and punctually rendered. Provided always that if the Engineer considers that for any reason the sending of such lists or statements by the Contractor, in accordance with the provision of the Conditions of Contract, was impracticable he shall nevertheless be entitled to authorize payment for such work, either as daywork, on being satisfied as to the time employed and the labor, materials and Contractor's Equipment used on such work, or at such value thereof as shall, in his opinion, be fair and reasonable.</p>
	<p><u>PREAMBLES FOR DAYWORK</u></p>
A	<p>The Contractor shall insert in this Schedule the Daywork rates which the Engineer may choose to apply.</p>
B	<p>The Contractor shall give notice to the Engineer prior to commencement and upon completion of any work which the Contractor considers falls within the definition of Daywork.</p>
C	<p>Claims for payment for work on a Daywork basis must be accompanied by time sheets and materials and goods vouchers, to be endorsed by the Engineer or the Engineer's vouchers, to be enclosed vouchers, to be endorsed by the Engineer or the Engineer's Representative. Such endorsement will not bind the Engineer to value the work as Daywork. If required the Contractor will also produce original copies of his receipt bills and wages books in support of his accounts.</p>
D	<p>Time sheets must be submitted to the Engineer or his representative for endorsement not later than the day following that day in which the work was carried out. Claims accompanied by late time sheets and vouchers will be rejected by the Engineer at his discretion.</p>
E	<p>Rates quoted will be deemed to be fully inclusive of all necessary costs and expenses, overheads and profit and shall fully cover the Contractor's obligations under the Conditions of Contract.</p>
F	<p>Rates inserted in this schedule will be taken into consideration by the Engineer when comparing Tenders. Establishment charges will be deemed to be included in the rates and such rates shall be inclusive of all Contractor's Site and head and other office administrative charges and arrangements, constructional plant (except plant employed exclusively on daywork), Contractor's facilities and Temporary works.</p>

Item	Description of Work
	<u>LABOR</u>
A	Rates will be held to include :
a	Wages and all allied costs in connection therewith and any items of expenditure which are not allowed for elsewhere, accommodation and messing costs, fares, any costs due to importing labor from other district etc., bonuses, additional amounts for working in dirty or hazardous conditions and including preparatory and temporary work, for delays due to wet or inclement weather, for working including weather, for working in shifts and / or overtime and allowances paid to operatives directly engaged on daywork (including those operating mechanical plant and transport) in accordance with the appropriate employment agreement or, where no such agreement exists, the actual payments made to the work people concerned.
b	All Site supervision, foremen and staff.
c	Provision and use of all standing scaffolding, walkways, ramps, etc.
d	Non-powered hand tools such as picks, shovels, barrows, saws, chisels, etc.
e	Protective clothing, and other special apparatus and all consumable.
f	Standing time and traveling time.
B	Only actual net time to the nearest hour spent working upon daywork will be considered for payment.

MATERIALS : Percentage Addition : _____.

(* To be Inserted by Tenderer)

(Signature) _____

(Name of Tenderer) _____

(Company Stamp)

Item	Description of Work
	<p><u>MATERIALS</u></p> <p>The following percentage addition (to be inserted by the Tenderer) for materials used in Daywork, shall apply to the net invoiced costs of approved material after the deduction of all discounts and will include :</p> <ul style="list-style-type: none">a. Delivery to Site;b. Unloading, Storing, Protecting and Waste in Storage; andc. Establishment charges, insurances, overheads and profit.

MATERIALS : Percentage Addition : _____.

(* To be Inserted by Tenderer)

(Signature) _____

(Name of Tenderer) _____

(Company Stamp) _____

Item	Description of Work
<u>CONTRACTOR'S EQUIPMENT</u>	
A	Rates will apply to both owned equipment or hired in equipment.
B	Plant rates generally will include all accessories e.g. hoses, breakers bits, vibrators heads, pipes, grabs, skips, slings, burners etc.
C	Rates will further be held to include :
a.	Mobilization and demobilization
b	All consumables (including fuel, lubricants, electrodes, gases, welding rods, drill bits and heads, dollies, sawing and grinding discs, blades etc. ;
c	All maintenance, sharpening and grinding of tools, repairs and spares.
d	Standing time.
e	Temporary tracks, sleepers etc. ; and
f	Establishment charges, insurances, overheads and profit.
D	Only time actually spent upon daywork at the units contained in the schedule will be considered for payment. Minimum hire periods will not apply.

(Signature) _____

(Name of Tenderer) _____

(Company Stamp) _____

DAYWORK RATE

<u>LABOR</u>			
item	Description of Work	DAYWORK HOURLY RATE	
		Local Labor	Foreign Labor
		(JD)	(JD)
Note	CONTRACTOR TO ENTER HERE HIS LABOR CATEGORIES (TRADES) FOR SKILLED AND UNSKILLED WORKMEN. USE ADDITIONAL PAGES IF REQUIRED.		

DAYWORK RATE

<u>MATERIALS & PLANT</u>			
item	Description of Work	DAYWORK HOURLY RATE	
		Local Material	Foreign Material
		(JD)	(JD)
Note	CONTRACTOR TO ENTER HERE MATERIALS OF THE WORKS USE ADDITIONAL PAGE IF REQUIRED.		

DAYWORK RATE

<u>CONTRACTOR'S EQUIPMENT</u>			
item	Description of Work	DAYWORK HOURLY RATE	
		Local Equipment	Foreign Equipment
		(JD)	(JD)
Note	CONTRACTOR TO ENTER HERE CONSTRUCTION EQUIPMENT TO BE USED ON THE WORKS. USE ADDITIONAL PAGE IF REQUIRED.		